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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY,

BOMBAY.

133484

1859.

00133484

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY, BOMBAY,

IN THE YEAR 1859,

UNDER THE SUPERINTENDENCE OF

LIEUTENANT E. F. T. FERGUSSON, I. N., F.R.A.S.

Printed by Order of Her Majesty's Government.

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1860.

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BOMBAY MAGNETICAL OBSERVATORY.

TIDAL OBSERVATIONS

FOR 1859.

BOMBAY TIDAL OBSERVATIONS.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the* ☽'s *Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JANUARY, 1859. 1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19	13.03	14.05	3.8	19.30	-2.0	5.8	0.32	0.20	2.4	6.25	-5.0	7.4	8.8	15.1 P.
20	13.59	14.35	4.9	20.15	-2.0	6.9	1.30	1.15	3.1	7.05	-4.5	7.6	9.4	16.1
21	14.49	15.10	4.8	20.55	-2.3	7.1	2.24	2.05	3.5	8.00	-3.7	7.2	8.5	17.1
22	15.37	15.45	4.4	22.05	-2.6	7.0	3.13	3.00	3.0	8.55	-3.2	6.2	7.6	18.1
23	16.23	16.20	3.6	22.50	-2.9	6.5	4.00	3.55	2.5	9.40	-2.5	5.0	6.5	19.1
24	17.09	16.40	2.5	23.45	-3.3	5.8	4.46	4.45	1.6	10.15	-2.0	3.6	5.8	20.1
25	17.55	17.10	1.6	24.30	-3.5	5.1	5.32	5.55	0.9	10.55	-1.5	2.4	5.1	21.1 ☾
26	18.43	17.45	0.3	25.30	-3.6	4.5	6.19	8.10	0.1	12.40	-1.0	0.9	4.5	22.1
27	19.33	18.25	0.3	27.30	-3.6	3.9	7.08	10.20	0.4	14.00	-0.8	0.4	3.9	23.1
28	20.24	20.25	-0.5	—	—	—	7.57	—	—	—	—	—	—	24.1
29														
30														
31														
FEBRUARY, 1859. 1														
2	—	2.20	2.5	6.15	-3.5	6.0	12.05	13.15	2.4	19.30	-2.2	4.6	6.0	29.1 ●
3	0.27	1.10	1.9	6.45	-3.4	5.3	12.49	13.50	2.6	20.05	-2.3	4.9	6.0	0.3
4	1.10	2.45	2.1	7.15	-3.2	5.3	13.30	14.15	2.9	20.40	-2.4	5.3	6.1	1.3
5	1.51	2.30	2.0	7.40	-2.9	4.9	14.11	14.45	2.8	21.15	-2.6	5.4	5.7	2.3
6	2.32	3.05	1.7	8.15	-2.7	4.4	14.53	15.10	2.8	22.00	-3.0	5.8	5.8	3.3
7	3.13	3.45	1.3	8.40	-2.3	3.6	15.35	15.20	2.5	22.45	-3.1	5.6	5.6	4.3
8	3.56	4.45	1.2	9.10	-1.5	2.7	16.20	15.55	2.3	23.40	-3.2	5.5	5.5	5.3
9	4.43	6.05	1.0	10.15	-0.8	1.8	17.09	16.25	1.9	—	—	—	—	6.3
10	5.34	8.20	0.1	—	—	—	18.02	—	—	—	—	—	—	7.3 ☽
11														
12														
13														
14														
15														
16	11.40	13.20	5.2	19.25	-1.6	6.8	—	1.05	4.4	6.50	-2.8	7.2	8.0	13.3
17	12.34	13.50	5.4	20.10	-2.3	7.7	0.07	2.00	4.2	7.40	-2.5	6.7	7.9	14.3 ○
18	13.24	14.25	5.2	20.40	-2.5	7.7	0.59	2.45	4.0	8.30	-2.0	6.0	7.7	15.3
19	14.12	14.50	4.7	21.35	-2.6	7.3	1.48	3.35	3.4	9.05	-1.5	4.9	7.3	16.3
20	14.59	15.30	4.0	22.20	-2.8	6.8	2.36	4.20	2.4	9.30	-1.3	3.7	6.8	17.3
21	15.47	16.00	2.5	23.00	-2.5	5.0	3.23	5.15	1.4	10.05	-1.0	2.4	7.7	18.3
22	16.36	16.45	1.2	23.25	-2.2	3.4	4.11	6.15	0.8	10.55	-0.4	1.2	3.4	19.3
23														
24														
25														
26														
27														
28														
29														
30														
31														

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Hight in feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MARCH, 1859. 1	22.24						10.01							26.3
2	23.08						10.46							27.3
3	23.49			5.50	-3.1		11.28	12.35	2.4	18.50	-2.2	4.6		28.3
4		0.35	1.8	6.25	-3.1	4.9	12.10	13.00	2.7	19.25	-2.4	5.1	5.8	29.3 ●
5	0.31	1.20	2.3	7.25	-2.7	5.0	12.52	13.30	3.2	19.50	-2.5	5.7	5.9	0.5
6	1.12	1.50	2.6	7.50	-2.5	5.1	13 34	13.50	3.3	20.10	-2.7	6.0	6.0	1.5
7	1.55	2.30	2.6	8.10	-2.3	4.9	14.19	14.20	3.1	20.45	-3.2	6.3	6.3	2.5
8	2.41	3.05	2.4	8.50	-2.1	4.5	15.06	14.35	2.6	21.15	-3.5	6.1	6.1	3.5
9	3 31	3.40	1.8	9.20	-2.0	3.8	15.58	15.10	2.0	21.45	-3.9	5.9	5.9	4.5
10	4.24	4.40	1.1	9.55	-1.7	2.8	16.54	15.30	1.5	22.35	-3.8	5.3	5.3	5.5
11	5.23	6.05	0.7	10.40	-1.3	2.0	17.54	16.30	1.1	23.40	-3.7	4.8	4.8	6.5 ☾
12	6.25	7.45	0.5	12.20	-1.1	1.6	18.56	17.30	0.6	24.40	-3.8	4.4	4.4	7.5
13	7.27	9.30	0.5	14.00	-1.3	1.8	19.58	19.00	0.4	25.55	-3.9	4.3	4.4	8.5
14	8.28	10.50	0.6	15.35	-1.8	2.4	20.57	21.00	0.4	27.25●	-4.1	4.5	4.7	9.5
15	9.26	11.25	1.1	16.40	-2.3	3.4	21.53	22.20	1.3	28.35	-3.9	5.2	5.2	10.5 P
16	10.20	11.45	2.5	17.00	-2.6	5.1	22.45	23.25	2.0	29.25	-3.7	5.7	6.2	11.5
17	11.10	12.15	3.3	18.15	-2.9	6.2	23.35	24.20	2.9	30.15	-3.3	6.2	6.6	12.5
18	11.59	12.35	4.0	18.50	-3.2	7.2							7.2	13.5 ○
19	12.47	13.15	4.0	19.30	-3.6	7.6	0.23	1.00	3.5	6.50	-2.8	6.3	7.6	14.5
20	13.35	13.45	3.7	20.00	-3.6	7.3	1.11	1.45	3.5	7.35	-2.4	5.9	7.3	15.5
21	14.24	14.10	3.2	20.25	-3.6	6.8	2.00	2.30	3.3	8.20	-2.0	5.3	6.9	16.5
22	15.15	14.30	2.5	20.50	-3.6	6.1	2.50	3.10	2.7	8.45	1.6	4.3	6.3	17.5
23	16.07	15.20	2.0	21.35	-3.4	5.4	3.41	4.05	2.3	9.35	-1.2	3.5	5.7	18.5
24	17.00	15.45	1.3	22.35	-3.1	4.4	4.34	4.35	1.4	10.40	-1.1	2.5	4.5	19.5
25	17.53	16.25	0.7	23.35	-2.6	3.3	5.26	5.45	1.2	11.50	-0.6	1.8	3.8	20.5
26	18.44	17.25	0.4	24.20	-2.3	2.7	6.18	6.50	1.1	13.45	-0.2	1.3	3.4	21.5 ☽
27	19.33	19.30	0.0	25.45	-2.4	2.4	7.08	8.25	1.3	15.30	-0.6	1.9	3.7	22.5 A
28	20.19	21.00	0.3	27.10	-2.6	2.9	7.56	9.30	1.3	16.15	-1.1	2.4	3.9	23.5
29	21.03	22.05	0.6	28.15	-2 6	3.2	8.41	10.00	1.4	16 50	-1.6	3.0	4.0	24.5
30	21.45	23.00	1.3	28.45	-2.6	3.9	9.24	11.10	1.6	17.10	-2.1	3.7	4.2	25 5
31	22.27	23.35	1.7	29.15	-2.6	4.3	10.06	11.45	2.0	17.45	-2.3	4 3	4.6	26.5
APRIL, 1859. 1	23.08●	24.15	2.2	29.55	-2.4	4.6	10.48	11.55	2.4	17.55	-2.6	5.0	5.0	27.5
2	23.52	24.55	3.0	30.40	-1.9	4.9	11.30	12.16	2.9	18.20	-2.9	5.8	5.9	28.5
3							12.15	12.45	3.2	18.55	-3.2	6.4	6.4	29.5 ●
4	0.37	1.30	3.3	7.20	-1.6	4.9	13.02	13.10	3.3	19.15	-3.5	6.8	6.8	0.9
5	1.26	2.10	3.5	7.45	-1.3	4.8	13.53	13.40	3.3	19.50	-3.5	6.8	7.0	1 9
6	2.20	2.55	3.7	8.05	-0.7	4.4	14.49	14.10	3.2	20.30	-3.4	6.6	7.1	2.9
7	3.18	3.25	3.5	9.20	-0.6	4.1	15.48	14.40	2.6	21.05	-3.4	6.0	6.9	3.9
8	4.19	4.20	2.9	10.00	-0.5	3.4	16.50	15.15	2.2	22.10	-3.2	5.4	6.1	4.9
9	5.21	5.45	2.3	11.10	-0.3	2.6	17.51	16.20	1.7	23.25	-2.8	4.5	5.1	5.9
10	6.22	7.05	2.2	13 00	-0.4	2.6	18.50	17.45	1.1	24.20	-2.7	3.8	4.9	6.9 ☽
11	7.19	8.20	2.3	14.30	-0.7	3.0	19.46	19.35	1.1	26.15	-2.6	3.7	4.9	7.9 P
12	8.13	9.35	2.6	15.40	-1.0	3.6	20.37	21.00	1.8	27.20	-2.3	4.1	4.9	8.9
13	9.03	10.25	3.4	16.25	-1.5	4.9	21.27	22.35	2.6	28.30	-2.0	4.6	5.4	9.9
14	9.51	11.00	4.0	17.05	-1.9	5.9	22.14	23.20	2.8	29.35	-1.7	4.5	5.9	10·9
15	10.38	11.35	4.2	17.50	-2.6	6.8	23.01	23.55	3.1	30.35	-1.7	4.8	6 8	11.9
16	11.25	12.05	4.2	18.30	-3.2	7.4	23.49	24.55	3.3	30.50	-1.7	5.0	7.4	12.9
17	12.13	12.35	3.5	19.00	-3.7	7.2							7.2	13.9 ○
18	13.03	13.10	2.8	19.20	-3.9	6.7	0.38	1.25	3.3	7.25	-1.6	4.9	7.2	14.9
19	13.56	13.40	2.3	19.45	-4.0	6.3	1.30	2.00	3.1	7·55	-1.5	4.6	7.1	15.9
20	14.43	14 00	2.0	20.30	-4.1	6.1	2.22	2.50	2.8	8.40	-1.5	4.3	6.9	16.9
21	15.43	14.25	1.3	21.00	-3.8	5.1	3.16	3.30	2.2	9.30	-1.4	3.6	6.0	17.9
22	16.35	15.10	0.6	21.25	-3.6	4.2	4.09	4.15	1.8	10.15	-1.4	3.2	5.4	18.9
23	17.25	15.45	0.0	22.25	-3.4	3.4	5.00	4.55	1.0	11.55	-1.4	2.4	4 4	19.9
24	18.12	16.40	-0.7	23.30	-3.2	2.5	5.48	5.50	0.8	13.00	-1.5	2.3	4.0	20·9 ☾
25	18.57	18.55	-1.0	24.15	-3.1	2.1	6.34	7.00	0.5	14.10	-1.8	2.3	3.6	21.9 A
26	19.49	20.05	-0.7	25.20	-2.9	2.2	7.18	8.05	0.6	14.50	-2.4	3.0	3.5	22.9
27	20.21	21.30	0.0	26.35	-2.7	2.7	8.10	9.05	0.7	15.50	-2.9	3.6	3.6	23.9
28	21.02	22·15	0.7	27.40	-2.5	3.2	8.41	9.30	1.0	16.15	-3.2	4·2	4.2	24.9
29	21.44	22.50	1.1	28.35	-2.4	3.5	9.24	10.00	1.5	16.40	-3.6	5.1	5.1	25 9
30	22.29	24.10	2.2	29.50	-1.9	4.1	10.07	11.05	1.7	17.45	-4.3	6.0	6.5	26.9

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MAY, 1858. 1	23.17	0.50	2.3	6.40	-2.0	4.3	10.54	11.30	1.8	18.15	-4.5	6.3	6.8	27.9
2	—	1.35	2.3	7.05	-1.6	3.9	11.44	12.05	1.8	18.45	-4.6	6.4	6.9	28.9 ●
3														
4														
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25														
26														
27														
28														
29														
30														
31														
JUNE, 1858. 1														
2	0 59	1.05	4.2	6.45	0.0	4.2	13.31	11.15	2.9	17.35	-3.6	6.5	7.8	1.0
3	2.04	1.25	6.4	7.00	0.1	6.3	14.35	11.45	3.6	81.10	-3.3	6.9	9.7	2.0 P
4	3.06	2.25	6.1	8.25	0.1	6.0	15.35	12.45	3.9	18.40	-3.0	6.9	9.1	3.0
5	4.04	3.10	5.5	9.30	0.1	5.4	16.30	13.25	3.9	19.10	-3.0	6.9	8.5	4.0
6	4.57	3.55	5.0	10.40	0.0	5.0	17.21	14.20	3.4	19.50	-3.0	6.4	8.0	5.0
7	5.46	5.05	4.7	11.20	-0.2	4.9	18.09	—	—	—	—	—	—	6.0 ☽
8														
9														
10														
11														
12														
13														
14														
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16														
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27	21.34	—	—	28.40	-0 9	—	9.06	—	—	—	—	—	—	26.0
28	22.38	0.0	3.3	29.40	-0.6	3.9	10.06	9.45	1.8	16.10	-4.4	6.2	7.7	27.0
29	23.44	0.50	3.8	30.25	-0.7	4.5	11.11	10.15	2.2	17.10	-4.5	6.7	8.3	28.0
30	—	1.40	4.1	31.00	-1.0	5.1	12.16	11.25	2.5	18.10	-4.4	6.9	8.5	29.0 ●

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JULY, 1859. 1	0.49	2.20	4.1	7.50	-1.5	5.6	13.20	12.20	2.7	19.00	4.3	7.0	8.4	0.7 P
2	1.51	3.10	3.9	8.50	-1.6	5.5	14.28	13.20	2.5	19.50	4.2	6.7	8.1	1.7
3	2.48	—	—	—	—	—	15.13	14.20	2.3	20.15	-3.8	6.1	—	2.7
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The time of high-water was reduced from the curves of self-registering Tidal Apparatus. The observations so obtained are not considered satisfactory, as the registry is frequently broken by the manifold disadvantages under which the Apparatus works, viz: the cocks of the siphon are not considered perfectly air-tight; the clock often goes out of order by the effects of salt vapour coming from the Tidal well below the Apparatus; corrosion of the siphon in some instances, &c. rendering the movements of the float irregular and unsatisfactory.

BOMBAY MAGNETICAL OBSERVATORY.

PART I.

MAGNETICAL OBSERVATIONS.

1859.

INTRODUCTION TO THE MAGNETICAL OBSERVATIONS

For 1859.

SITUATION OF THE OBSERVATORY.

The Government Observatory at Bombay is situated nearly at the southern extreme of the Island of Colaba, and consists of several small buildings, in a large compound, entirely walled round. It is bounded on the west by the public road from the Fort of Bombay; on the east by the sea forming the entrance to the Harbour; on the south by the Lighthouse; and on the north by the compound of a private house. Its distance from the Fort is about two miles and a third.

Its Latitude is ..... + 18° 53′ 30″

Its Longitude is ..... − 4*h*. 51*m*. 16·32*s*.*

The latter being dependent on the longitude of Madras Observatory, supposed to be 5*h*. 20*m*. 57·28*s*., as determined by the late Mr. Taylor, Astronomer.

The "difference of longitude" between Madras and Bombay, as determined from the measurements of the G. T. S. of India, gives the longitude of the Bombay Observatory −4*h*. 51*m*. 12·3*s*., and this longitude has been adopted by Hydrographers in preference to the above, although the difference is only one minute of arc.

The grounds of the Observatory are well studded with trees, principally Bora trees (*Ziziphus lotus*), which emit a very offensive odour when in blossom; there are also a few Date, Palm, Mango, and Tamarind trees, and several sorts of shrubs.

The soil is partly of greenstone, but principally of reddish earth, of a very productive nature; the latter, however, is not deep, and rests on a rocky foundation, which in many places rises above the usual level of the surface. The grounds, though tolerably even in the western half of the compound, have a gradual slope towards the sea in the eastern half, which accomplishes a quick drainage in heavy rains, and thereby prevents undue moisture.

Buildings in the Observatory.—The Magnetical Department of the Observatory consists of six separate buildings; and the Astronomical Department of one large Transit-Room and two Domes. In August 1858, a large Zinc Ball, complete with

* Found by Lunar transits and occultations of Stars and Planets by the Moon, from several series of observations made at this Observatory from 1840 to 1853, but the Instruments are not of the highest order as in England and in Europe generally.

Electrical Apparatus for dropping the same, was received from England, and ordered to be erected at the Observatory: and on the 15th of January 1859 the Ball was substituted for the Flag. A description of the building and working of the Apparatus is herewith given.

The building for the reception of the Time Ball is erected over the Dome of the Astronomical Department, to which communication is had by a winding staircase. It is about 16 feet in diameter at the ground floor, and 107·3 feet high to the centre of the Dome, at the top of the second story. The side stone walls gradually diminish in thickness at each story as the building ascends. They are 3·5 feet thick at the first floor, and plastered both inside and out. Their height is about 99·5 feet to the circumference of the Dome.

The house consists of two stories, the first ascended by a winding staircase, and the other by step-ladders with hand-rails. On the ground floor there is but one window, which is about 12 feet high from the flooring of the Astronomical Observatory. On the first story, the flooring of which is about 17·5 feet high from the ground floor, are four glass windows, each of which is 16·5 feet high and 3·8 feet wide, and are ascended to by small step-ladders. On the second story there are four glass windows, each of which is 3·3 feet high and 3·7 feet wide. On the top of the second story, the flooring of which is 89·9 feet from the ground, is a large teak-wood Dome, through the centre of which passes the hoisting pillar of the Ball. A small opening, with a glass shutter to it, is kept on the northern side of the Dome, through which communication is had with the exterior of the Dome. A step-ladder is kept on the outer portion of the Dome, to allow a person to have access to the Time Ball for the purpose of repairs, &c.

On the first flooring is placed the Discharging Apparatus, on a platform of wood-work about 3 feet above the floor. This platform, which is ascended by a step-ladder with hand-rails, is intended for an Assistant and servant to stand upon for the purpose of hoisting the Time Ball and regulating the discharge work.

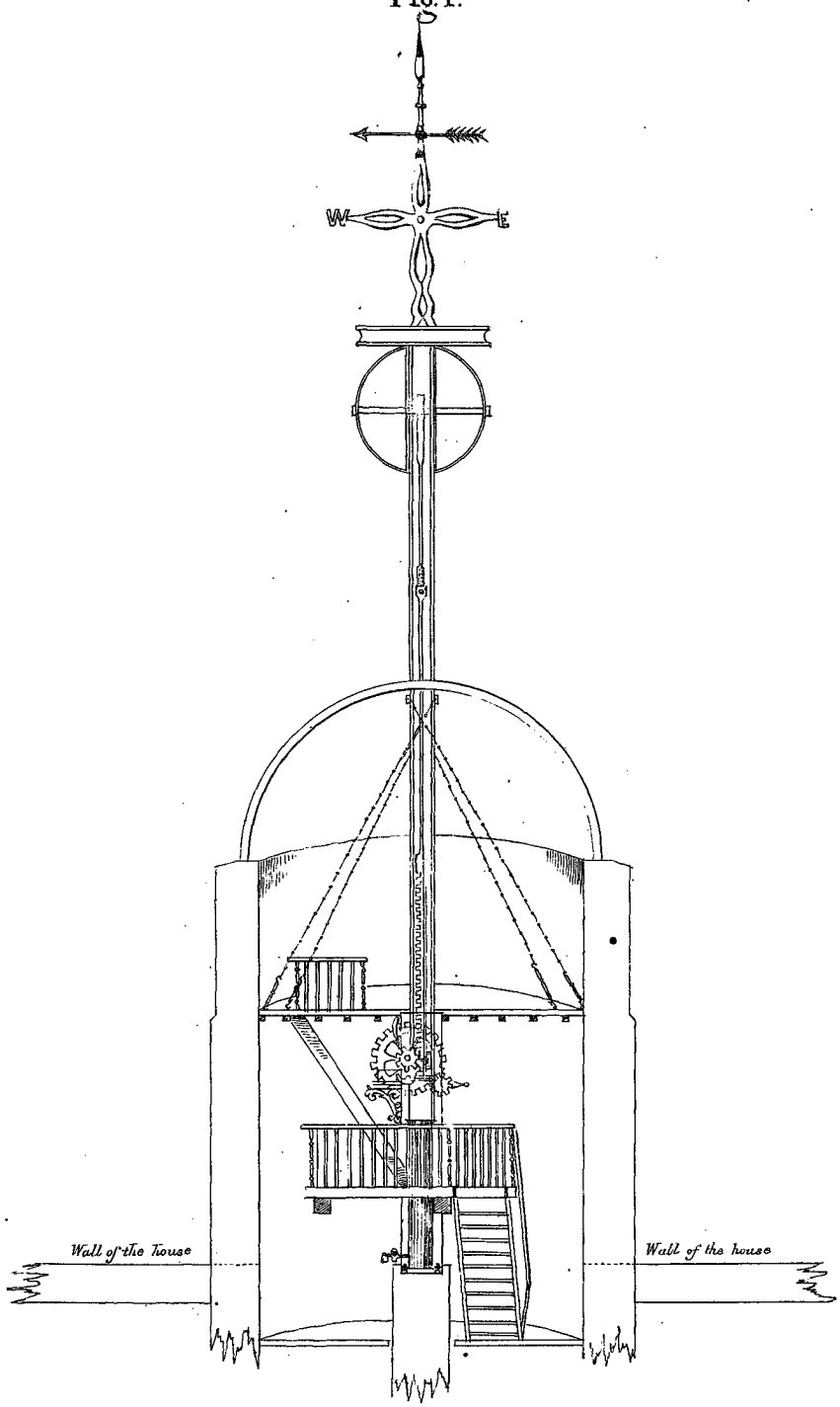
The height of the extreme end of the shaft, continued above the vane at the top of the hoisting pillar, is about 125 feet above the level of the sea.

The working of the Electric Time Ball and Apparatus will be understood by the perusal of the accompanying remarks, and examination of the Sketches.

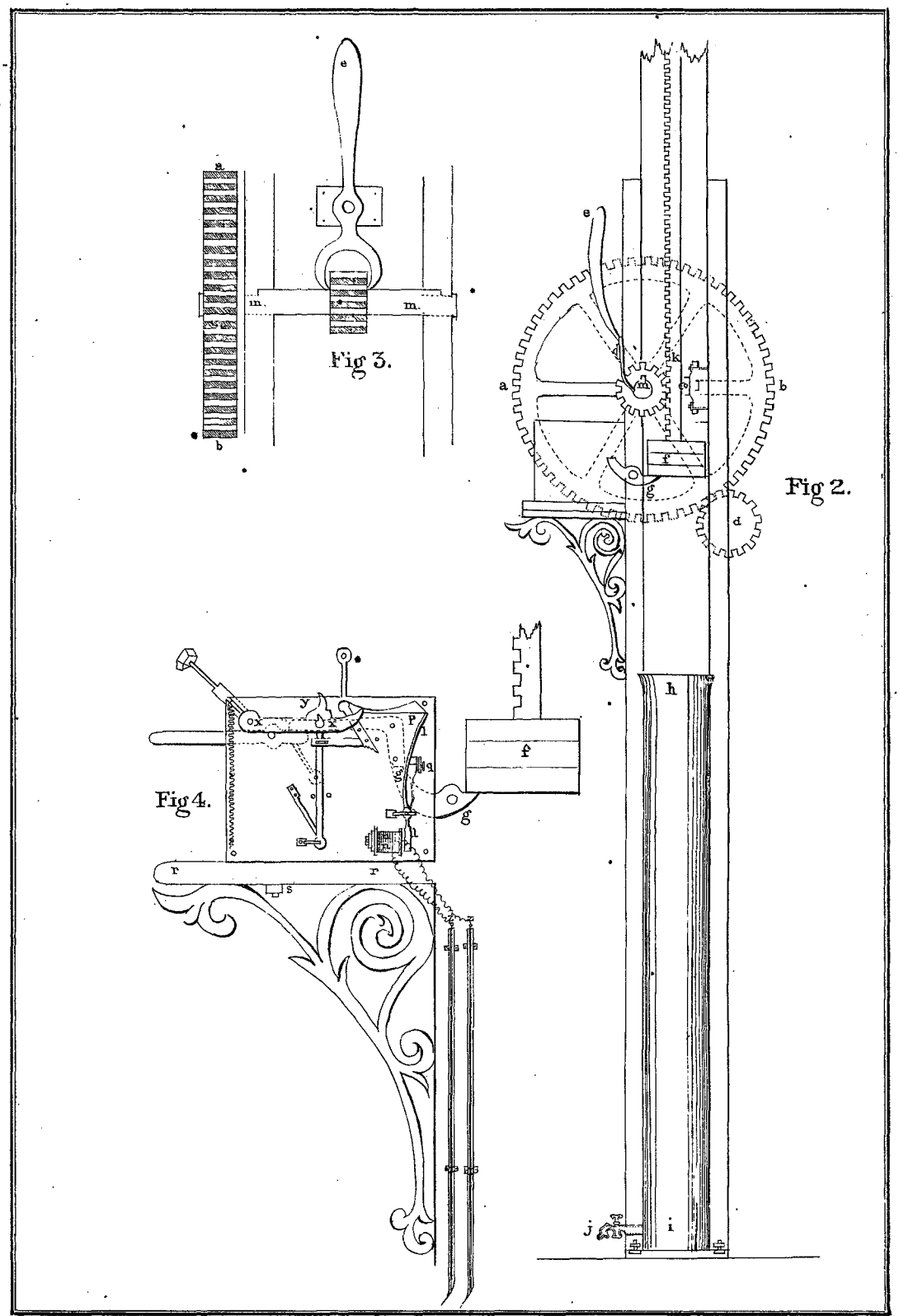
Fig. 1 gives a sectional view of the Ball and Apparatus as mounted on a stone pedestal, the height of which is 3·5 feet from the flooring of the first story in the Dome Tower, and shows every part of the Apparatus, except the Battery and the Trigger, which are separately shown in *fig.* 5.

Fig. 2 shows, on a larger scale, the lower part of the Shaft and Apparatus with the Ball supposed to be hoisted. *a b c d* are the cog wheels by which the Ball is hoisted; *f* is the piston at the lower end of the hoisting rod *k*, which rests on the tongue of the lever *g*, when the discharge work is set for dropping the Ball.

Fig. 1.



Drawn by S. Cassinathsen.



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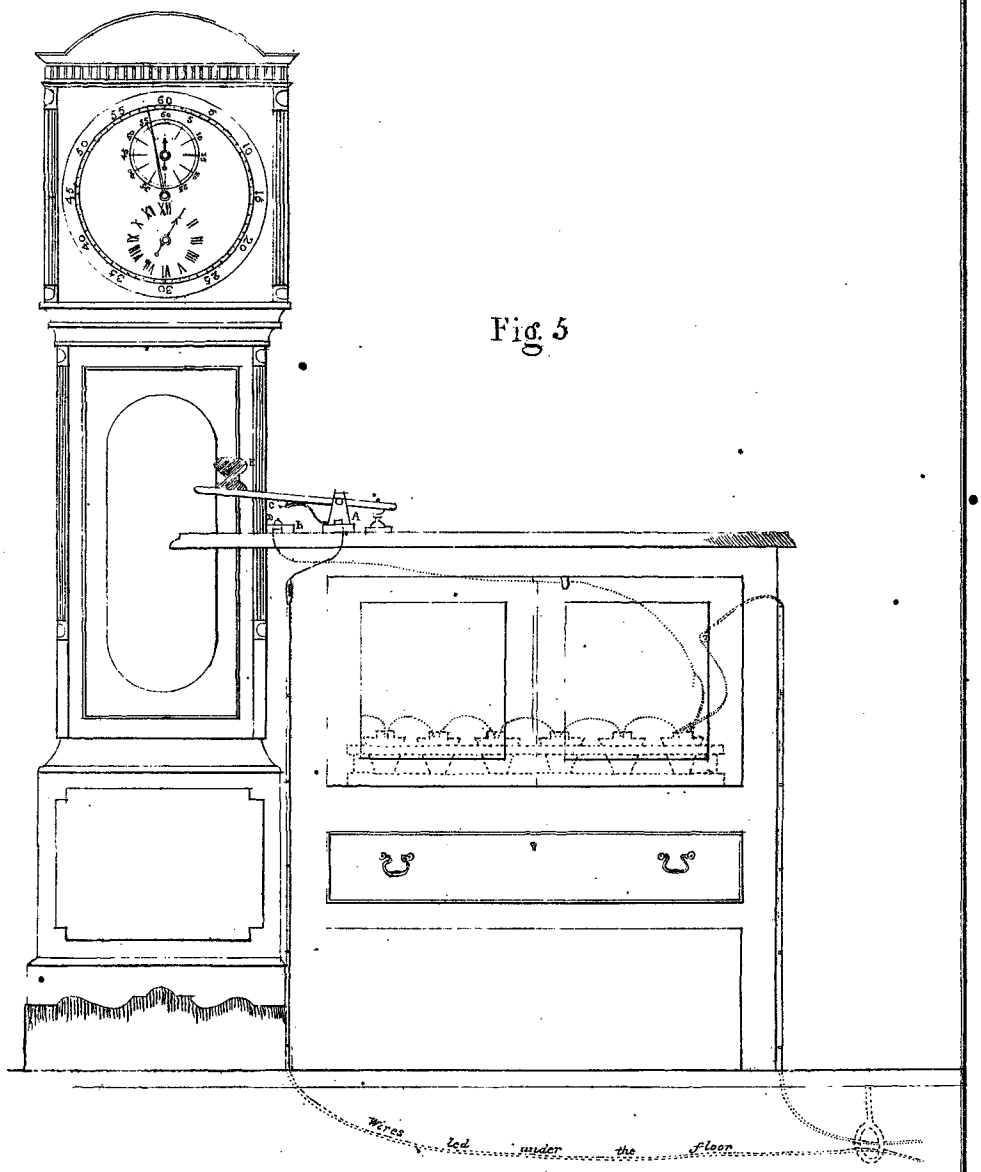


Fig. 5

Drawn by S Cassinaussette

Fig. 3 shows a front view of the disconnecting fork. Move the larger wheel *a b* gently until all the strain is off the small wheel *c*, and afterwards move the handle of the disconnecting fork *e*, which will shift the small wheel *c* to the right or left along the axle and disconnect it from the hoisting rod *k*.

Fig. 4 shows the discharge work in position ready for dropping the Ball. The discharge work is fixed to its stand (a deal-wood board) *r r* by a copper clamp, and secured to it by a nut and screws as at *s*, and the top part is kept in position by an iron plate across it in front. When the discharge work is properly set, and when the Electric current is brought into play by touching the trigger below, the lever *g* is instantly released, and, being no longer able to bear the strain of the Ball or piston *f*, lets fall the piston and hoisting rod together. The Electric wires connecting the battery with the discharge work are first made fast to each of those attached to the coils on the discharge work upstairs *z z*, and are then led down as much out of sight as possible, being passed under the flooring and up along the wall. One wire is connected to the copper end of the battery, and the other end is secured to the trigger at *a*, which has connection with the zinc end of the battery. By pressing the handle *e* of the trigger, the Battery comes into action, and an Electric current is obtained which converts the iron within the coils *n n* into a magnet, and thereby attracts the vane *i i* towards the coils.

Fig. 5 shows the Battery of twelve glass tumblers ranged in pairs on a tray which is kept in a small press close by the Siderial clock. If the following precautionary measures are attended to, the discharge work can seldom get out of order:—

1. No part of the wire, either within or without the battery, press, &c., should be left uncovered and uninsulated, or allowed to come in contact with anything which is a conductor of Electricity.
2. The discharge work should be kept from damp, grease, or even perspiration from the hands, &c., and the disconnecting vane clear of any corrosion.
3. The brass balance *p* of the discharge work should rest on the balance vane *i i*.
4. The discharge apparatus must be so fitted that the roller on *t* ought to rest on the centre of the top surface *g*.
5. When the instrument is in gear, the triangular steel catch on the lever *y* must have its lower side perfectly horizontal in bearing the strain of the brass arm *x x*.
6. The axle *m m* of the disconnecting fork must be kept well lubricated, and the small wheel *c* must slide very easily on it.
7. The discharge work must be firmly fitted in position.

Adjoining the Transit-Room, and connected with it by a covered passage 14 by 9 feet, is a large office 64 feet by 29 feet. This room is used for copying Charts and Plans, and also for keeping a stock of Charts and Mathematical Instruments for the use of the Government Vessels of War, and belongs exclusively to the Hydrographical Department of the Indian Navy. In addition to these buildings, I have to add that a

dwelling-house, with out-offices, is provided for the Superintendent, also one for the First Assistant in the Magnetical Department, and suitable quarters for the other Assistants and Observers attached to the Observatory Departments.

Staff of the Observatory.—During the year 1859 the staff of the Observatory was as follows:—

MAGNETICAL DEPARTMENT.

Goverdhun Luxumon C.....	First Assistant.
Naro Balcrushna	Second Assistant.
Keshow Sakharam*	Observer.
Luxumon Moreshwar.....	Observer.
Crishnajee Appajee.....	Observer.
Narayen Ramchunder	Computer.

ASTRONOMICAL DEPARTMENT.

Govind Ramchunder.

The Astronomical Department, which is principally for the purpose of getting the correct time by observed transits of the Stars, and signalling the same by drop of Time Ball to the Shipping in the Harbour at 1*h.* P. M., is under my immediate and personal superintendence. The Observations, however, are not published.

In the Magnetical Department the system adopted in the year 1859 was the same as that in the preceding year.

Besides the duties of the Observatory, the Superintendent is charged with the Hydrographical Department of H. M.'s Indian Navy. The superintendence of the Observatory is an adjunct to the appointment of the Hydrographer.; and the office of the latter being in the Naval Department, both are under the orders of the Commander in Chief of H. M.'s Indian Navy.

The Results for 1859 were deduced under my direction by the First Assistant Goverdhun Luxumon C., assisted by the Second Assistant.

The Instruments actually observed in the Magnetical Department are as follows:—

MAGNETICAL INSTRUMENTS.

Declinometers (large and small).

Horizontal Force Magnetometers (large and small), with their attached Thermometers.

Vertical Force Magnetometer, with its attached Thermometer.

Dip Circle.

Apparatus for Deflections.

* Bapoo Moreshwar and Ramchund Pandoorung acted as substitutes in the Magnetic and Astronomical Departments during the absence of some observers who were on sick leave. Ramchund Pandoorung was appointed an observer in the Magnetical Department on the 15th July 1859, vice Keshow Sakharam resigned.

Meteorological Instruments.*

Barometers, Nos. 58 and 48, with their attached Thermometers.

Thermometers (six), in the Thermometer shed.

Anemometers (two), by Osler and Lynd (Osler's is a self-registering instrument).

Rain Gauges, Nos. 1 and 2.

Electrical Apparatus.

Tidal Apparatus (a self-registering instrument).

Göttingen Mean Time has been strictly adhered to in taking Magnetical Observations, and Bombay Civil Time has been used in observing Meteorological Instruments.

Throughout the year 1859 all the Magnetometers and Meteorological Instruments were observed hourly, duly registered, and curved every day, except on Sundays and a few other holidays.

Besides these, there were the Monthly Term Day Observations; also the Observations of Meteorological and Magnetical Disturbances, when necessity required.

DECLINATION.

The Large Declinometer was obtained from Grubb, of Dublin, and is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840.

The Small Declinometer is the same as the Unifilar Magnetometer described in page 60 of Lieutenant Riddle's "Magnetical Instructions," with the exception that it has no glass bell over it.

The dimensions of the Magnets and the several co-efficients of both the Declinometers are as follows:—

	Large Declinometer.	Small Declinometer.
Length of the Magnet	1·25 feet.	2·46 inches.
Breadth do.	0·0715 „	
Thickness do.	0·0208 „	0·30 inches.
Weight do.	62,030 grains.	
Form of Magnets	Solid Bar.	Solid Cylinder.
Silk fibres of Suspension, in number	40	2
The Value of one Integer of Scale Reading	6″·841	8″·23
The Zero Point of Scale	(Dec. 1858) 28·3064	29·991 (Oct. 15, 1858.)
Value of $1 + \frac{H}{P}$ in its last adjustment	1·003009	1·0019
Mean Time of one Vibration in its perfect adjustment	12·95 seconds	3·43 seconds.

A change of 0·10 scale division of Large Declinometer is nearly equal to 0·12 scale division of Small Declination Magnetometer.

* A description of the Meteorological Instruments is given in the second part of this volume.

TABLE I.—*Showing the Declination in Arc, as obtained from the Scale Readings of Small Declination Magnetometer.*

1859.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.	1859.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.
January	0°18′39	– 2·20	July	0°21′23	– 0·09
February.....	·18·89	– 1·94	August.....	·22·74	+ 1·51
March	·18·85	– 2·31	September	·22·23	+ 0·70
April	·18·52	– 2·33	October	·22·47	+ 0·48
May	·19·14	– 2·09	November	·22·77	+ 0·44
June.....	·20·59	– 0·63	December	·22·98	+ 0·14

This Table shows that the Values of Declination obtained from small Declinometer were uncertain within about 2·5 of arc.

The difference in the values obtained by the Large and Small Declinometers may arise from the Smaller Magnet not being so strongly magnetic as the standard bar, and, from its lightness, more susceptible to movement and change.

Weekly observations tend to show that no material change has occurred in the moments of the Declination Magnets, as the time of vibration in one month was nearly equal to the time of vibration in the others.

During the year 1859 the Large and Small Declinometers remained under the same adjustment as in the preceding year.

HORIZONTAL FORCE.

The Diurnal Changes of the Earth's Magnetic Horizontal Force have been observed hourly, with two instruments. One, the large Horizontal Force Magnetometer in the large Observatory, is of the same construction as that which is described in the Report of the Royal Society for 1840. The other is the Small Horizontal Force Magnetometer, in the small Observatory, which is of exactly the same description as the Bifilar, described in Lieutenant Riddle's Magnetical Instructions.

The dimensions and the values of the several co-efficients of Magnets are as follows:—

	Large Horizontal Force.	Small Horizontal Force.
Length of the Magnetic Bar.....	1·25 feet	2·99 inches.
Breadth do.	0·072 „	0·30 „
Thickness do.	0·021 „	80·0 „
Arc Value of one Division of the Scale	10′·933	5′·53
Form of the Magnet.....	Solid Bar.	Hollow Cylinder.
Suspension Wires	One silver wire.	Two silk fibres.
The Diameter of the Wheel round which the Suspension Wire passes	0·61465 inches.	Not measured.
The Distance of the Extremities of the Suspension Wire on the Micrometer-headed Screw..... ..	0·62985 „	„
Length of the Suspension Wire	30·33 „	„
Weight of the Magnet with all its appendages	7,050 grains.	
Torsion Circle Reading in its adjustment.....	270°00	266°35′
t'', or Time of one Vibration when in perfect adjustment..	16·17 seconds.	3·70 seconds.

In Horizontal Force Magnetometer, the Magnetic Bar is forced to a position at right angles to the Magnetic Meridian by turning the arms of the Torsion Circle. The upper extremities of the suspension wire move through a greater angle than the lower extremities, consequently the wires are no longer vertical, and the Magnet, together with its appendages, is raised. The Forces producing equilibrium will therefore be,—the suspended weight struggling to attain the lowest point, and the Earth's Magnetic Horizontal component of Intensity acting on the free Magnetism of the Bar.

The large Horizontal Force Magnetometer has been now in operation for nearly seventeen years, and it has always indicated an increase of force from year to year. The Intensity Calculations are made on the supposition that the increase or decrease of scale readings in both the Magnetometers goes on regularly throughout the year; but this is far from being the case, as these changes are sometimes very irregular. During the year 1859 the change in the scale readings was as follows :—

Large Horizontal Force daily increased by 0·0067 scale divisions.
Small „ „ „ „ 0·0028 „

The cause of this change in the scale readings of Horizontal Force is owing either to the change in the magnetic moment of the bar, to the change in the magnetic horizontal force of the earth, or from the loss of inherent elastic power of the wire by which the Magnet is suspended.

It is necessary to make the following allowances, in order to find out the true values of the changes in the Horizontal Component of the Earth's Magnetic Force :—

1*st.—Allowance for the regular loss or increase in the moment of the Bar Magnet of Horizontal Force was equal to :—*

$L.\ H.\ F.\ \delta\ t = -0{\cdot}01$ seconds.
$S.\ H.\ F.\ \delta\ t = -0{\cdot}11$ „

The mean monthly loss of vibration of the Small Horizontal Force Magnant suspended with a single thread deduced at each new adjustment is 0·0028 seconds.

2nd.—Allowance for the Temperature of Attached Thermometer of Horizontal Force Magnets is :—

$L.\ H.\ F.\ \delta\ t = 0{\cdot}18\,(80^\circ - t')$
$S.\ H.\ F.\ \delta\ t = 0{\cdot}13\,(80^\circ - t')$

In which t' denotes the Temperature of Attached Thermometer, and $\delta\ t$ the correction required.

3rd.—Allowance for the Effect of Moisture on the Suspension Wires.—The silver suspension wire of the Large Horizontal Force Magnet is supposed not to be affected by atmospheric moisture; but the silk fibres of the Small Horizontal Force are doubtless affected by the changes of moisture; in the calculation of this correction Q' is the effect of a change of 1° Fahr. in the depression of Wet Bulb.

$Q' = 0{\cdot}127$ in 1856. | $Q' = 0{\cdot}032$ in 1858.
$Q' = 0{\cdot}135$ in 1857. | $Q' = 0{\cdot}044$ in 1859.

4th.—Allowance for a Change in the Torsion of Suspension Threads.—With respect to the suspension wires of the Large Horizontal Force Magnet, and the fibres of the Small Horizontal Force, no allowance has been hitherto made for a peculiar twist which is produced in them by remaining, for a certain lapse of time, in one position, or the lengthening of wires from the same cause. This point could not be easily ascertained, as it is quite impossible to measure the differential change in the length of the suspension wires at each new adjustment.

5th.—Allowance for the Effect of Circumambient Air.—It was supposed the circumambient air was magnetic, and that its magnetism was either inherent or induced by the earth. The correction found during the year 1859 was 0·0017 for *L. H. F.*, and 0·0036 for *S. H. F.*

Reduction of Observations.

The hourly observations during the year 1859 were reduced by the following formulæ:—

Large Horizontal Force $x = 8{\cdot}0340 + 0{\cdot}0164\ \{f + 0{\cdot}18\ (t^{\circ}\text{-}80^{\circ}) - 20{\cdot}00\}$

Small Horizontal Force $x = 8{\cdot}0505 + 0{\cdot}008\ \{f + 0{\cdot}13\ (t^{\circ}\text{-}80^{\circ}) - 0{\cdot}04\ W - 31{\cdot}00\}$

In the results the values were further reduced:—

Large Horizontal Force $X = \delta x + D \pm 0{\cdot}0017\ (t^{\circ}\text{-}80^{\circ})$

Small Horizontal Force $X = \delta x + D \pm 0{\cdot}0036\ (t^{\circ}\text{-}80^{\circ})$

In these formalæ δx denotes the Horizontal Intensity corrected for the temperature of Attached Thermometer, and for the co-efficient of reduction.

f denotes the Scale reading of Horizontal Force uncorrected.
t denotes the temperature of Attached Thermometer.
W denotes the depression of Wet Bulb Thermometer.
X denotes the Horizontal Intensity, corrected for all corrections.
D denotes the daily correction for instrumental error.
t' denotes the Temperature of External and Free Air.

The method adopted in this Observatory, which gives the changes of the Earth's Magnetic Force in Absolute Measure, differs from all the other Observatories, as they give the changes in parts of the whole Horizontal Force.

Absolute Determination of Horizontal Force.

The Instrument used for the purpose of Deflections is the Small Declinometer in the Small Magnetic Observatory; and that which is used for the Vibrations is another small Declinometer, fixed in the North-Eastern angle of the same Observatory. The lengths of the Deflecting and Deflected cylindrical Magnets are respectively 3 and 2·46 inches.

The Determinations were made once a week, at about 20*h.* Göttingen Mean Solar Time, or Noon Bombay Mean Time. The time occupied in making these Observations on any day was about one hour. During the middle time of absolute Determinations, the Small and Large Horizontal Force Magnetometers were observed and duly registered.

The Absolute Value of Horizontal Force, obtained in English units, has been calculated by the formulæ—

$$X = \frac{\pi}{t}\sqrt{\frac{2}{1+k}\,\frac{K}{R^3 \tan u}} \qquad LM = XR^3 \tan u \,\frac{1+k}{4}$$

The Moment of Inertia of the solid Cylinder Magnet (A·51), as determined in December 1855, was 2·250. In the actual calculations of Horizontal Intensity of this year it was used without any alteration.

Probable error of an Observation of Absolute Determination of Horizontal Force, as explained in the Volume of 1848, is about 0·008.

TABLE II.—*Showing the Mean Monthly Values of Horizontal Force, as obtained from the Deflection Observations in* 1859.

Months, 1859.	Mean Date.	L. M.	X. Or Horizontal Intensity in En. Units.	Corresponding Reading of Large Horizontal Force.		Corresponding Reading of Small Horizontal Force.		Torsion Force.		Number of Observations.
				Scale Reading.	Thermometer.	Scale Reading.	Thermometer.	A·51.	I·11.	
January	17	0·0834	8·065	20·22	80·4	30·83	76·4	1·0015	1.0021	4
February.....	14	0·0832	8·040	20·04	81·9	30·75	77·5	1·0015	1·0020	4
March	13	0·0831	8·037	19·80	82·3	31·15	79·3	1·0014	1·0021	3
April	13	0·0831	8·034	18·89	87·4	29·67	84·7	1·0014	1·0015	4
May	16	0·0829	8·048	19·19	88·0	29·48	86·0	1·0014	1·0020	4
June	15	0·0826	8·073	19·47	87·8	30·91	85·2	1·0014	1·0016	3
July.....	8	0·0824	8·097	19·36	88·1	30·97	85·3	....	....	3
August	17	0·0820	8·134	20·04	83·8	33·98	81·5	....	....	3
September	16	0·0823	8·101	19·82	84·0	32·99	81·0	1·0011	1·0016	5
October	17	0·0830	8·058	19·53	83·7	32·94	80·0	1·0013	1·0019	4
November	15	0·0828	8·039	19·72	85·8	32·63	80·2	1·0015	1·0021	4
December	16	0·0828	8·042	20·93	77·7	31·76	72·9	1·0015	1·0021	5
Annual Mean		0·0828	8·064	19·75	84·2	31·50	80·8	1·0014	1·0019	4

The Small Horizontal Force Magnetometer serves only as a check on the Observations of the Large Horizontal Force Magnetometer; and as the Small Instrument works under various disadvantages, no other results have been calculated from its Scale Values, except the monthly Means.

TABLE III.—*Showing the Horizontal Force of the Earth, calculated from the Scale Readings of Small Horizontal Force Magnetometer during the Year* 1859.

Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.	Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.
	En. Un.	En. Un.		En. Un.	En. Un.
January	6·0358	+0·0096	July.....	8·0484	−0·0138
February.....	·0378	+ ·0097	August	·0668	+ ·0294
March	·0405	+ ·0015	September	·0571	+ ·0304
April	·0301	− ·0527	October	·0578	+ ·0359
May.....	·0336	− ·0771	November	·0575	+ ·0335
June	·0416	− ·0542	December	·0490	+ ·0182

It appears from this Table that the Values of Horizontal Force, obtained from the Scale Reading of Small Horizontal Force Magnetometer, were uncertain within about 0·03 English unit.

The Annual Mean was 8·0463, which was about 0·0170 E. Un. higher than the Mean of the last three years.

VERTICAL FORCE MAGNETOMETER.

In the centre of a marble slab, 18 inches long by 11 inches broad, is fixed a copper frame-work, surmounted by two agate planes, upon which the knife-edge axle of the Bar Magnet rests. The dimensions of the Magnet Bar are as follows:—

Length	15·00	inches.
Breadth	1·25	„
Thickness	0·25	„

Temperature Correction.—The Temperature effect is assumed to be 0·03 in Scale Divisions for one degree of Fahr.; this value was used during the year 1859 without any alteration.

Centre of Gravity.—The best position for keeping the handle of Y supports is between 30° and 50° south, as in that position it seems to produce no changeable effect either on the Scale Readings or on the times of Vibration.

Time of Vibration.—The time of Vibration in the Horizontal Plane is assumed to be 13·00 seconds; the time of Vibration in the Vertical Plane has been carefully observed in each month of the year 1859.

TABLE IV.—*Showing the Times of Vibration of Vertical Force Magnetometer during the Year* 1859.

Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.
January 1	11·16*s*.	May 2	10·93*s*.	September .. 7	10·22*s*.
February .. 2	11·10	June 1	10·82	October 4	10·12
March 4	11·00	July 4	10·90	November .. 3	6·67
April 1	10·95	August 3	10·90	December .. 2	11·09

It was thought necessary to adjust the instrument about the close of the year, as the time of Vibration in the Vertical Plane was much lower than its normal value.

Occasional Adjustments.

5th November.—The box of the Vertical Force Magnet removed, the needle rubbed over with salad oil, and cleaned of corrosion.

27·75 Scale Reading after adjustment.	62·53 Scale Reading before adjustment.
86·0 Thermometer do.	86·3 Thermometer do.

THE INCLINATION.

The Dip Circle, which has now been in use for six years, was observed bi-weekly throughout the year 1859. It is made by Barrow, of London, and is similar in construction to Gambey's Circle.

The construction of the instrument, and the method of registering the Observations, are given in the Introduction to the Volume for 1852, under the head "Inclination."

The mean Annual Observed Dip in 1859 was equal to 19° 04′ 31″; this value was reduced from 99 Observations, each Observation being the mean of sixteen Observations of the Magnetic Dip Needle under different positions.

The Hourly Dip in Simple Hourly Observations was deduced from the absolute values of Horizontal and Vertical Intensities by the formula $\tan \theta = \frac{Y}{X}$; but in the results, the mean daily, hourly, and monthly values of calculated dip are made to come near enough to the values of Observed Dip.

TOTAL INTENSITY.

This was obtained by means of the Horizontal Intensity, calculated from the Scale Readings of the Large Horizontal Force Magnetometer, and the Dip deduced from the Vertical and Horizontal Intensities by the formula—

$$R = X \sec. \theta$$

BOMBAY GOVERNMENT OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1859.

DAILY OBSERVATIONS FROM 2ND TO 4TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Jan. 2nd-Noon.	19°356	19.62	82°4	48.64	81°9	8.0337	2.7740	19°03′4	L	4 12 p. m.
1	19.767	19.33	80.4	48.87	80.6	.0290	.7765	19.04.9	L	5 12 „
2	20.453	19.03	79.0	49.07	79.6	.0251	.7787	19.06.3	L	6 12 „
3	20.385	19.06	78.5	49·15	79.1	.0246	.7796	19.06.6	L	7 12 „
4	20.453	19.00	78.1	49.24	78.7	.0236	.7806	19.07.3	L	8 12 „
5	20.522	19.03	77.8	49.25	78.2	·0241	.7807	19·07.3	C	9 12 „
6	20.385	19.05	77.5	49.33	78.0	·0244	.7818	19.07.7	C	10 12 „
7	20.590	19.01	77.3	49.39	77.9	.0238	.7822	19.07.8	C	11 12 „
8	20.659	18.98	77.0	49.39	77.8	.0232	.7822	19.07.9	C	Midnight.
9	20·728	19.11	77.0	49.93	77.5	·0254	·7892	19.10.3	K	1 12 a. m.
10	20.453	19.24	76.8	49.97	77.3	.0276	.7896	19.10.2	K	2 12 „
11	20.179	19.34	76.5	50.03	77.0	.0292	.7893	19.09.9	K	3 12 „
12	19.836	19.46	76.1	50.05	76°8	.0295	.7895	19.09.9	K	4 12 „
13	19.424	19.30	75.8	50.10	76.7	.0285	.7901	19.10.2	L	5 12 „
14	19.767	19.41	75.4	50.17	76.3	.0304	.7918	19.10.4	L	6 12 „
15	20.316	19.35	75.3	50.33	76.0	.0293	.7925	19.11.2	L	7 12 „
16	22.101	19.54	75.7	50.56	76.0	.0325	.7951	19.11.7	L	8 12 „
17	23.816	19.82	76.7	50.26	76.2	.0370	.7917	19.09.9	C	9 12 „
18	22.649	20.01	76.9	49.91	76.9	.0402	.7890	19.08.4	C	10 12 „
19	21.193	20.15	78·5	49·72	77.3	.0424	.7859	19·06.9	C	11 12 „
20	21.415	20.04	79.0	49.84	78.0	.0407	.7872	19.07.5	C	Noon.
21	22.101	19.99	79.8	49.71	78.5	.0398	.7858	19.07.2	K	1 12 p. m.
22	22.168	19.80	80.0	49.62	79.0	.0367	.7848	19·07.2	K	2 12 „
23	21.345	19.65	80.0	49.44	79.2	·0342	.7824	19.06·6	K	3 12 „
Jan. 3rd-Noon.	20.385	19.46	79.0	49.51	78.5	.0312	·7836	19.07.5	K	4 12 „
1	20.247	19.22	77.6	49.58	77.5	.0272	.7844	19.08.3	L	5 12 „
2	20.179	19.12	77.0	49.92	77.2	.0255	.7891	19.10.2	L	6 12 „
3	20.659	19.18	76.6	50.09	77.0	.0265	.7900	19.10.5	L	7 12 „
4	20.522	19.06	76.1	50.08	76.6	.0246	.7899	19·10.6	L	8 12 „
5	20.453	19.09	75.8	50.05	76.5	.0251	.7896	19.10.5	C	9 12 „
6	20.110	19·21	75.7	49·69	76.2	.0271	.7856	19.08.8	C	10 12 „
7	20·110	19.20	75·6	49.70	76·1	.0269	.7857	19.08.9	C	11 12 „
8	20.042	19.30	75.4	49.82	76.0	.0285	.7870	19.09.0	C	Midnight.
9	20.453	19.41	75.5	49.88	76.0	.0304	.7877	19.09.2	K	1 12 a. m.
10	20.179	19.44	75.5	49.88	76.0	.0309	.7877	19.09.1	K	2 12 „
11	19.973	19.45	75.4	49·89	75.8	·0310	.7878	19·09.1	K	3 12 „
12	19.699	19.44	75·2	49.92	75.6	.0309	.7891	19.09·6	K	4 12 „
13	19.287	19.50	74.7	49.95	75.2	.0318	.7895	19·09.6	L	5 12 „
14	19.561	19.40	74.0	49.95	74.8	.0302	.7895	19.09.9	L	6 12 „
15	18.738	19.58	73.5	50.39	74.0	.0331	.7933	19.11.0	L	7 12 „
16	19.767	19.84	74·1	50.85	74·2	.0374	.7984	19.12.4	L	8 12 „
17	21.345	20.18	75.7	50.69	74.8	.0429	.7966	19·10.9	C	9 12 „
18	21·139	20.45	77.5	50.12	76.0	.0474	.7903	19 08.0	C	10 12 „
19	21.208	20.56	78.0	49.74	76.6	.0492	.7861	19.06.0	C	11 12 „
20	21.208	20.28	78.5	49·77	77·1	.0446	.7865	19.06.7	C	Noon.
21	20.110	20.07	79.0	49.62	77.4	.0412	.7848	19.06.7	K	1 12 p. m.
22	19.561	19.82	79.3	49·59	78.0	.0370	.7845	19.07.1	K	2 12 „
23	19.699	19.64	79.1	49.75	78·2	.0341	.7863	19.08.1	K	3 12 „
Jan. 4th-Noon.	19.767	19.51	78.4	49.83	77.5	.0320	.7871	19.08.6	K	4 12 „
1	19.973	19.31	77.0	49.91	77·0	.0287	.7890	19.09.8	L	5 12 „
2	20.110	19.28	76.0	50.24	76.2	·0282	.7915	19.11.0	L	6 12 „
3	20.385	19.30	75.2	50.39	75·8	.0285	.7932	19.11.4	L	7 12 „
4	20.316	19.26	74.7	50.46	75·3	.0279	.7940	19.12.0	L	8 12 „
5	20.316	19.13	74.0	50.59	74·6	.0257	·7955	19.12.8	C	9 12 „
6	20.624	19.17	73·3	50.71	74.0	.0264	.7968	19.13.2	C	10 12 „
7	20.728	19.19	73.1	50.72	73.9	.0267	.7969	19.13.1	C	11 12 „
8	20.865	19.17	72.5	50.80	73·4	.0264	.7978	19.13.6	C	Midnight.
9	21·415	19.01	72.0	51.04	73.1	.0238	.8004	19.14.9	K	1 12 a. m.
10	21.415	18.93	71.1	51.07	72.2	.0224	.8007	19·15.3	K	2 12 „
11	21.276	18.89	70.8	50.66	71.9	.0218	.7962	19.13.4	K	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 18°42′8.

DAILY OBSERVATIONS FROM 4TH TO 6TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Jan. 4th—12	20°522	18.95	70°0	50.77	71°3	8.0227	2.7974	19°10'8	K	4 12 a.m.
13	19.561	19.17	69.7	50.73	71.0	.0265	.7970	19.13.2	L	5 12 „
14	19.081	19.13	69·2	50.90	70.3	.0257	.7999	19.14.4	L	6 12 „
15	19.699	19.26	68.9	51.07	70.0	.0279	.8007	19.14.6	L	7 12 „
16	21.071	19.31	69.2	51.31	69.7	.0287	.8033	19.15.4	L	8 12 „
17	22.649	19.61	70.5	51·05	70·0	.0336	.8005	19.13.7	C	9 12 „
18	22.444	19.95	72.3	50.42	71.3	.0391	.7936	19.10·3	C	10 12 „
19	21.415	20.02	74.0	49.99	72.7	.0403	.7898	19.08.7	C	11 12 „
20	21.415	19.85	75.5	49.81	73.5	.0375	.7869	19.07.8	C	Noon.
21	21.482	19.82	76.8	49.64	74.8	.0370	.7850	19·07.3	K	1 12 p.m.
22	20.110	19.68	77.5	49.37	75·8	.0347	.7821	19.06.3	K	2 12 „
23	19.356	19.64	78.0	49.41	76.2	.0334	.7825	19.06.8	K	3 12 „
Jan. 5th-Noon.	20.042	19.48	77.2	49.58	76·0	.0315	·7844	19.07.6	K	4 12 „
1	19.973	19.41	76.2	49.72	75.3	.0304	.7859	19.08.5	L	5 12 „
2	20·316	19·20	75.1	49.95	75.0	.0269	.7885	19.09.9	L	6 12 „
3	20.933	19.13	74.5	50.12	74.5	.0257	·7903	19.10.7	L	7 12 „
4	20.728	19.02	73.9	50.17	74.0	.0239	.7909	19.11·2	L	8 12 „
5	20.590	18.89	73.0	50·26	73.5	.0234	.7919	19.11.7	C	9 12 „
6	20.590	19.03	72.8	50.30	73.0	.0241	.7923	19.11.8	C	10 12 „
7	20.590	19.05	72.4	50.49	73·0	.0244	.7944	19.12.6	C	11 12 „
8	20.385	19.18	72.4	50.49	72.9	.0265	.7944	19.12.0	C	Midnight.
9	20.522	19.12	72.0	50.53	72.7	.0255	.7948	19.12.5	K	1 12 a.m.
10	20·385	18.92	72·0	50.58	72.5	.0222	·7954	19.13.2	K	2 12 „
11	20.522	19.05	71.4	50.61	72.0	.0244	.7957	19.13.2	K	3 12 „
12	20.453	19.11	71.0	50.66	71.9	.0254	.7963	19.13.1	K	4 12 „
13	20.002	18.94	70·4	50.94	71.4	.0226	.7971	19.13.7	L	5 12 „
14	19.424	19.17	70.3	50.78	71.2	.0264	.7976	19.13.5	L	6 12 „
15	19.886	19.27	69.9	51·03	70.7	.0281	.8003	19.14.4	L	7 12 „
16	21.619	19.73	71.5	51.28	71.1	.0356	.8031	19.14.4	L	8 12 „
17	23.335	19.98	73.0	50·70	72.0	.0396	.7967	19.11.4	C	9 12 „
18	21.071	20·27	74.7	50.07	72.9	.0446	.7898	19.08.0	C	10 12 „
19	20.728	20.44	76.6	50.01	74.0	.0473	.7891	19.07.5	C	11 12 „
20	21·482	20.51	78.7	49·88	75.9	.0484	.7877	19.06.9	C	Noon.
21	21.826	20.17	80.1	49.73	77.0	.0428	.7860	19·06.8	K	1 12 p.m.
22	21.276	19.97	80.5	49.59	77·9	.0395	.7945	19.06.7	K	2 12 „
23	21.276	19.78	80.1	49.62	78.0	·0364	.7848	19.07.3	K	3 12 „
Jan. 6th-Noon.	20.590	19.40	79·3	49.58	77.8	.0302	.7844	19.07.9	L	4 12 „
1	19.630	19.29	78.3	49.55	77.5	.0284	.7841	19.08.1	K	5 12 „
2	19.767	19.33	77·2	49.95	76.8	.0290	.7885	19.09.6	K	6 12 „
3	21.002	19.26	77.0	49.96	76.2	.0279	.7886	19.09.8	K	7 12 „
4	20.522	19.24	76·8	50.09	76.2	.0276	·7900	19.10.4	K	8 12 „
5	20.453	19.00	76.0	50.08	76.0	.0236	.7899	19.10.8	C	9 12 „
6	20.316	19.02	75·8	50.10	75.9	·0239	.7907	19.11.2	C	10 12 „
7	20.385	19.06	75.7	50.57	75.6	.0246	.7953	19.12.8	C	11 12 „
8	20.453	19.11	75.6	51.30	75.5	.0254	.8033	19.15.9	C	Midnight.
9	20.453	19.15	75.5	51.37	75·5	.0260	.8041	19.16.1	K	1 12 a m
10	20.247	19.09	75.2	51.37	75.0	.0251	.8041	19.16.2	K	2 12 „
11	20.385	19.17	74.9	51.33	75.0	.0264	.8036	19.15.9	K	3 12 „
12	20.042	19.20	74.0	51.09	74.7	.0269	.8010	19.14·8	K	4 12 „
13	19.767	19.55	74.8	51.09	74.8	.0226	.8010	19.14.0	L	5 12 „
14	18.875	19.63	74.6	51.06	74.8	.0339	.8007	19.13.8	L	6 12 „
15	18.395	19.73	74.8	51.00	74·8	.0356	.8000	19·13.2	L	7 12 „
16	19.013	20·07	75.3	51.10	74.9	.0412	.8011	19.12.0	L	8 12 „
17	20·453	20.57	76.7	50.97	75.6	.0494	.7997	19·11.4	C	9 12 „
18	21.139	20·86	78.7	50·41	77·0	.0541	.7935	19·08.7	C	10 12 „
19	19·904	21.04	80·2	49.97	88.0	.0571	.7887	19.06.1	C	11 12 „
20	20.110	21.04	81.9	50.04	79.0	.0571	.7894	19.06.3	C	Noon.
21	20.796	20·87	82·5	50.17	79.7	.0543	.7909	19.07.3	L	1 12 p.m
22	21.208	20.66	82.9	50.26	80.2	.0508	.7919	19.08.1	L	2 12 „
23	21.208	20.31	82.8	50.25	80.9	.0451	.7918	19.08.8	L	3 12 „

DAILY OBSERVATIONS FROM 7TH TO 10TH JANUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JAN. 7TH-Noon.	20°33	19.93	82°2	50.27	80°7	8.0388	2.7920	19°09'7	L	4 12 p. m.
1	20.590	19.63	81.4	50.06	80.3	.0339	.7897	19.09.5	K	5 12 ,,
2	20.110	19.44	80.0	50.19	79.8	.0309	.7911	19.10.4	K	6 12 ,,
3	20.776	19.34	79.3	50.34	79.2	.0292	.7927	19.11.3	K	7 12 ,,
4	20.385	19.29	79.0	50.52	79.0	.0284	.7947	19.12.3	K	8 12 ,,
5	20.179	19.33	78.6	50.62	78.3	.0290	.7958	19.12.5	C	9 12 ,,
6	20.247	19.22	79.0	50.61	78.1	.0272	.7957	19.12.8	C	10 12 ,,
7	20.385	19.08	77.7	50.69	78.0	.0249	.7966	19.13.2	C	11 12 ,,
8	20.865	19.20	77.2	50.73	77.9	.0269	.7970	19.13.2	C	Midnight.
9	21.139	19.13	77.1	50.78	77.5	.0257	.7976	19.13.5	K	1 12 a. m.
10	20.865	19.10	76.8	50.72	77.3	.0252	.7969	19.13.3	K	2 12 ,,
11	20.953	19.13	76.8	50.63	77.1	.0257	.7959	19.12.9	K	3 12 ,,
12	20.522	19.22	76.8	50.61	77.0	.0272	.7957	19.12.8	K	4 12 ,,
13	19.904	19.12	76.0	50.68	76.8	.0255	.7965	19.13.1	L	5 12 ,,
14	19.767	19.23	75 8	50.75	76.5	.0274	.7971	19.13.2	L	6 12 ,,
15	19.904	19.38	76.0	50.83	76.1	.0298	.7981	19.13.2	L	7 12 ,,
16	20.616	19.58	76.6	50.89	76.4	.0331	.7988	19.13.1	L	8 12 ,,
17	21.688	19.95	77.9	50.74	77.0	.0391	.7971	19.11.6	C	9 12 ,,
18	22.101	20.32	79.0	50.29	78.0	.0451	.7922	19.08.9	C	10 12 ,,
19	20.796	20.50	81.0	49.72	79.0	.0482	.7859	19.06.2	C	11 12 ,,
20	19.493	20.62	82.7	49.75	80.4	.0500	.7863	19.06.1	C	Noon.
21	19.767	20.55	83.6	50.08	81.0	.0490	.7899	19.07.5	K	1 12 p. m.
22	20.865	20.59	84.0	50.15	81.5	.0497	.7907	19.07.6	K	2 12 ,,
23	20.551	20.28	83.6	50.11	82.0	.0446	.7902	19.08.1	K	3 12 ,,
JAN. 9TH-Noon.	21.002	19.83	82.3	50.19	81.3	.0372	.7902	19.09.2	B	4 12 ,,
1	20.659	19.65	81.0	50.13	80.5	.0342	.7906	19.09.8	B	5 12 ,,
2	19.767	19.44	80.0	50.21	79.7	.0309	.7913	19.10.5	L	6 12 ,,
3	20.385	19.35	79.3	50.33	79.4	.0292	.7926	19.11.3	L	7 12 ,,
4	20.179	19.70	78.9	50.32	79.2	.0351	.7925	19.10.4	L	8 12 ,,
5	20.659	19.27	78.4	50.45	78.8	.0281	.7940	19.12.0	C	9 12 ,,
6	20.385	19.32	77.9	50.48	78.5	.0288	.7943	19.11.9	C	10 12 ,,
7	20.453	19.33	77.1	50.54	78.0	.0290	.7949	19.12.1	C	11 12 ,,
8	20.385	19.28	76.9	50.64	77.7	.0282	.7960	19.12.7	C	Midnight.
9	20.110	19.48	76.8	50.58	77.5	.0315	.7954	19.11.9	K	1 12 a. m.
10	20.110	19.47	76.2	50.72	77.2	.0314	.7969	19.12.6	K	2 12 ,,
11	19.630	19.62	76.4	50.61	77.0	.0337	.7957	19.11.9	K	3 12 ,,
12	19.836	19.73	76.7	50.63	76.9	.0356	.7959	19.11.6	K	4 12 ,,
13	19.150	19.62	76.3	50.51	77.0	.0337	.7946	19.11.4	L	5 12 ,,
14	19.081	19.64	76.2	50.65	76.9	.0341	.7962	19.11.9	L	6 12 ,,
15	18.875	19.70	76.0	50.81	76.5	.0351	.7979	19.12.4	L	7 12 ,,
16	20.247	19.73	76.5	51.02	76.6	.0256	.8002	19.13.2	L	8 12 ,,
17	21.758	20.12	77.6	50.66	76.9	.0419	.7963	19.10.9	C	9 12 ,,
18	20.590	20.15	79.0	49.93	77.7	.0424	.7882	19.07.7	C	10 12 ,,
19	19.699	20.16	80.2	49.77	78.7	.0426	.7865	19.07.0	C	11 12 ,,
20	20.247	20.27	81·8	49.70	80.0	.0445	.7857	19.06.5	C	Noon.
21	20.659	20.08	83.5	49.65	81.5	.0413	.7852	19.06.8	K	1 12 p. m.
22	20.659	19.72	84.8	49.65	82.2	.0354	.7852	19.07.5	K	2 12 ,,
23	20.796	19.45	84.5	49.78	82.5	.0310	.7866	19.08.6	K	3 12 ,,
JAN. 10TH-Noon.	21.758	19.13	83.5	50.06	82.0	.0257	.7897	19.10.5	K	4 12 ,,
1	21.758	18.50	80.5	50.03	81.0	.0154	.7893	19.11.7	L	5 12 ,,
2	20.659	18.25	80.0	50.06	80.1	.0113	.7897	19.12.5	L	6 12 ,,
3	21.688	18.02	79.5	50.34	79.8	.0075	.7927	19.14.1	L	7 12 ,,
4	22.101	17.39	79.0	50.43	79.2	7·9972	.7937	19.15.9	L	8 12 ,,
5	21.208	18.00	78.8	50.35	78.9	8.0072	.7929	19.14.2	C	9 12 ,,
6	21.551	18.13	77.9	50.34	78.5	.0093	.7927	19.12.9	C	10 12 ,,
7	21.275	18.01	77.2	50.34	78.0	.0074	.7927	19.14.2	C	11 12 ,,
8	20.865	18.14	76.9	50.19	77.7	.0095	.7911	19.13.1	C	Midnight.
9	20.659	18.41	76.6	50.22	77.4	.0140	.7914	19.12.7	K	1 12 a. m.
10	20.728	18.59	76.2	50.28	77.0	.0169	.7921	19.12.6	K	2 12 ,,
11	20.728	18.80	76.2	50.51	77.0	.0203	.7946	19.13.2	K	3 12 ,,

On the 7th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 10TH TO 12TH JANUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical ForceMagneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JAN. 10TH—12	20·316	18.85	76·4	50.46	76·9	8.0211	2.7941	19°12·9	K	4 12 a. m
13	20.002	18.78	76.1	50.50	76.7	.0200	.7945	19.13.2	L	5 12 „
14	19.561	18.91	76.0	50.58	76.5	·0221	.7954	19.13.2	L	6 12 „
15	19.493	18.87	75.6	50.76	76·1	.0215	.7974	19.13.9	L	7 12 „
16	20.728	18.99	75.4	51.06	76.1	.0234	.8007	19.15.2	L	8 12 „
17	20.728	19.50	77.6	50.61	76.8	.0318	·7957	19.12.1	C	9 12 „
18	20.042	19.65	78.9	50.22	77.2	.0342	.7914	19.10.1	C	10 12 „
19	19.013	19.96	80.1	50.11	78.6	.0393	.7902.	19.09.8	C	11 12 „
20	19.904	20.09	81.6	50.17	79·7	.0415	·7909	19.08.8	C	Noon.
21	21.415	19·91	82.0	50.20	80.0	.0385	.7912	19.09.3	K	1 12 p. m.
22	21.345	19.91	83.0	50.08	81.0	.0385	.7899	19.08.8	K	2 12 „
23	21.208	19.59	83.0	50.05	81.5	·0333	.7896	19.09.5	K	3 12 „
JAN. 11TH-Noon.	21.619	18.90	82.8	49.93	81.0	.0219	.7882	19.10.3	K	4 12 „
1	21.895	18.62	81.5	50.02	80.5	.0173	.7892	19 11.4	L	5 12 „
2	21.071	18.88	80·5	50.12	80.1	.0216	.7903	19.11.2	L	6 12 „
3	21.071	18.44	79·7	50.21	79.6	.0145	.7913	19.12.5	L	7 12 „
4	21.619	18.40	79.0	50.28	79.2	.0138	.7921	19.13.0	L	8 12 „
5	20.865	18.50	78.5	50.23	78·9	.0154	.7915	19.12.6	C	9 12 „
6	21.139	18.51	77.6	50.40	78.5	.0156	.7934	19.13.2	C	10 12 „
7	21.002	18·50	77.0	50.51	78.0	.0154	.7946	19.13.8	C	11 12 „
8	20.316	18.81	77.5	50.49	77.9	.0205	.7944	19.13.0	C	Midnight.
9	20.110	19.01	77.5	50.43	77.7	.0238	.7937	19.12.4	K	1 12 a. m.
10	20.865	18.86	77.0	50.73	77.5	.0213	.7970	19.14.0	K	2 12 „
11	20.728	18.89	77.0	50.82	77.3	.0218	.7980	19.14.2	K	3 12 „
12	19.904	18.94	76.5	50.41	77.0	.0226	·7935	19·12·4	K	4 12 „
13	19.973	18.97	75.5	50.51	76.2	.0231	.7946	19.12.8	L	5 12 „
14	20.385	19.05	75.3	50.56	76.2	.0244	.7952	19.12.9	L	6 12 „
15	20.522	18.84	75.4	50·70	76·0	.0210	.7967	19.13·9	L	7 12 „
16	21·551	18.87	76.3	51.08	76.0	.0215	·8009	19.15.3	L	8 12 „
17	21.758	18.84	77.0	50.58	76.1	·0210	.7954	19·13.4	C	9 12 „
18	20.796	19.23	78.6	50.16	77.0	.0274	.7908	19.10.8	C	10 12 „
19	19·699	19,67	80.0	49.94	78.1	.0346	.7883	19.08.7	C	11 12 „
20	19.836	19,91	81.0	49.91	79.0	.0385	.7880	19.08.1	C	Noon.
21	20.796	19,67	81.5	50.07	79.5	.0346	.7898	19.09.3	K	1 12 p. m.
22	20.453	19,80	81.8	50.05	80.0	.0367	.7896	19·09·0	K	2 12 „
23	21.002	19,62	81.9	50·02	80·5	.0337	.7892	19·09.2	K	3 12 „
JAN. 12TH-Noon.	20.933	19·31	82.0	50.07	80.5	.0287	.7898	19.10.1	K	4 12 „
1	20.110	19.01	80·9	50.08	80.0	.0238	.7899	19.10.8	L	5 12 „
2	20.247	18.97	80.3	50.27	79.7	.0231	.7920	19.11.8	L	6 12 „
3	20.796	18.58	79.6	50.40	79.4	.0167	.7934	19.13.1	L	7 12 „
4	20.796	18.44	79.0	50.45	79·0	.0145	.7943	19.13.7	L	8 12 „
5	20.728	18.55	78.4	50.46	78.5	.0162	.7941	19.13.5	C	9 12 „
6	20.590	18·70	78·0	49.89	78.0	·0187	.7878	19.10·6	C	10 12 „
7	20.728	18.77	77.4	49.94	77·9	.0199	.7883	19.10.7	C	11 12 „
8	20.522	18.69	76·4	50·07	77.3	·0185	.7898	19.10.4	C	Midnigt.
9	20.865	18.71	75.6	50.08	77.0	.0189	.7899	19.11·4	K	1 12 a. m.
10	20.796	18.70	75.1	50.14	76·3	.0187	.7905	19.11.7	K	2 12 „
11	20.316	18.71	74.8	50.28	76.0	.0189	.7921	19.12.3	K	3 12 „
12	20.453	18.88	75.5	50.78	76.0	.0216	.7976	19.14.0	K	4 12 „
13	20.590	18.96	75.4	50·38	75.9	.0229	.7932	19.12.2	L	5 12 „
14	20.316	18·93	75.0	50.92	75.6	.0221	.7991	19.14.6	L	6 12 „
15	21.071	18.99	74.8	51.07	75.1	.0234	·8008	19.15.2	L	7 12 „
16	22.787	19.07	75.7	51.21	75.4	.0248	·8023	19.15.5	L	8 12 „
17	23.130	19.27	76.9	50.76	76.0	.0281	.7976	19.13.3	C	9 12 „
18	22.032	19·52	78.0	50.13	76.6	.0321	.7904	19.09.9	C	10 12 „
19	19.836	19.77	79.0	49.57	77.3	.0363	·7843	19.07.1	C	11 12 „
25	19.904	19.98	80.0	49.65	78.2	.0396	.7852	19.07.0	C	Noon.
21	20.179	19.93	80·7	49.72	79.0	.0388	.7859	19·07.3	K	1 12 p. m.
22	20.522	19.77	81.0	49.84	79.5	.0363	.7872	19.08.1	K	2 12 „
23	20728.	19.60	81.1	50.00	80.0	.0334	.7890	19.09.3	K	3 12 „

On the 10th, at about 19h., Dip as obtained by Observation was 18°34'7.

DAILY OBSERVATIONS FROM 13TH TO 16TH JANUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JAN. 13TH-Noon.	21'002	19.30	80°8	50.55	80°0	8.0285	2.7961	19°12'2	G	4 12 p. m.
1	20.590	19.10	80.1	51.04	79.7	.0252	.8004	19.14.7	L	5 12 "
2	20.385	19.00	79.5	50.18	79.2	.0236	.7910	19.11.3	L	6 12 "
3	21.415	18.89	79.0	50.31	78.8	.0218	.7924	19.11.0	L	7 12 "
4	21.071	18.87	78.7	50.31	78.5	.0215	.7924	19.11.0	L	8 12 "
5	20.933	18.75	78.0	50.44	77.9	.0195	.7938	19.12.9	C	9 12 "
6	20.728	18.72	77.5	50.45	77.6	.0190	.7940	19.13.1	C	10 12 "
7	20.522	18.72	76.8	50.59	77.0	.0190	.7955	19.13.7	C	11 12 "
8	20.865	18.75	76.0	50.60	76.7	.0195	.7956	19.13.6	C	Midnight.
9	20.590	18.91	76.0	50.70	76.5	.0221	.7967	19.13.7	K	1 12 a. m.
10	20.796	18.86	75.5	50.73	76.1	.0213	.7970	19.14.0	K	2 12 "
11	21.071	18.92	75.0	50.77	75.6	.0222	.7975	19.14.0	K	3 12 "
12	20.933	18.86	74.8	50.81	75.2	.0213	.7977	19.14.3	K	4 12 "
13	21.071	18.71	74.0	50.84	74.8	.0189	.7982	19.14.6	L	5 12 "
14	21.276	18.81	73.7	50.89	74.3	.0205	.7988	19.14.7	L	6 12 "
15	21.688	18.88	73.1	51.12	73.9	.0216	.8013	19.15.5	L	7 12 "
16	23.404	19.02	74.0	51.27	74.0	.0239	.8030	19.16.0	L	8 12 "
17	23.404	19.17	75.1	50.81	74.8	.0264	.7979	19.13.6	C	9 12 "
18	22.101	19.40	76.4	50.15	75.3	.0302	.7907	19.10.4	C	10 12 "
19	20.659	19.69	78.0	49.84	76.2	.0349	.7872	19.08.2	C	11 12 "
20	20.179	19.95	79.9	49.66	77.9	.0391	.7853	19.07.0	C	Noon.
21	19.836	19.87	80.4	49.62	78.5	.0379	.7848	19.07.1	K	1 12 p. m.
22	19.630	19.98	81.0	49.72	79.0	.0396	.7859	19.07.2	K	2 12 "
23	19.973	20.05	81.4	49.89	79.8	.0408	.7878	19.07.8	K	3 12 "
JAN. 14TH-Noon.	20.522	19.78	81.0	50.10	80.0	.0364	.7901	19.09.3	K	4 12 "
1	20.590	19.60	80.2	50.14	79.4	.0334	.7905	19.09.9	L	5 12 "
2	20.385	19.47	79.5	50.31	78.8	.0314	.7928	19.10.9	L	6 12 "
3	20.728	19.22	78.7	50.45	78.4	.0272	.7940	19.12.1	L	7 12 "
4	20.385	18.96	78.1	50.44	78.1	.0229	.7938	19.12.6	L	8 12 "
5	20.247	19.10	77.8	50.44	77.9	.0252	.7938	19.12.2	C	9 12 "
6	20.385	19.04	77.1	50.51	77.5	.0243	.7946	19.12.7	C	10 12 "
7	20.728	19.09	76.6	50.58	77.0	.0251	.7954	19.12.8	C	11 12 "
8	20.247	19.25	76.4	50.28	76.8	.0277	.7921	19.11.2	C	Midnight.
9	20.590	19.27	76.0	50.29	76.4	.0281	.7922	19.11.2	K	1 12 a. m.
10	20.247	19.26	75.7	50.38	76.0	.0279	.7932	19.11.6	K	2 12 "
11	19.904	19.27	75.2	50.42	75.5	.0281	.7936	19.11.8	K	3 12 "
12	19.973	19.22	75.0	50.51	75.4	.0272	.7946	19.12.3	K	4 12 "
13	19.904	19.20	74.8	50.49	75.5	.0269	.7942	19.12.1	L	5 12 "
14	19.904	19.19	74.2	50.63	75.0	.0267	.7959	19.12.8	L	6 12 "
15	20.590	19.16	73.7	50.82	74.5	.0262	.7980	19.13.7	L	7 12 "
16	22.718	19.46	74.3	51.09	74.5	.0312	.8010	19.14.3	L	8 12 "
17	24.639	19.74	75.8	50.90	75.0	.0358	.7989	19.12.7	C	9 12 "
18	24.570	19.81	77.3	49.97	76.0	.0369	.7887	19.08.7	C	10 12 "
19	22.649	19.91	78.5	49.51	77.0	.0385	.7836	19.06.4	C	11 12 "
20	22.374	19.76	79.2	49.58	77.6	.0361	.7844	19.07.1	C	Noon.
21	21.002	19.53	80.1	49.44	78.0	.0323	.7828	19.07.0	K	1 12 p. m.
22	20.385	19.47	80.5	49.59	79.0	.0314	.7845	19.07.9	K	2 12 "
23	20.865	19.25	80.7	49.89	79.0	.0277	.7878	19.10.4	K	3 12 "
JAN. 16TH-Noon.	21.415	18.70	81.0	50.08	80.0	.0187	.7899	19.11.4	L	4 12 "
1	20.453	18.39	80.2	50.09	79.5	.0136	.7900	19.12.2	L	5 12 "
2	20.453	18.62	79.2	50.29	79.1	.0173	.7922	19.12.6	L	6 12 "
3	21.002	18.58	78.3	50.46	78.6	.0167	.7941	19.13.4	L	7 12 "
4	21.002	18.51	78.0	50.45	78.4	.0156	.7940	19.13.5	L	8 12 "
5	20.590	18.44	78.0	50.46	78.1	.0145	.7941	19.13.6	C	9 12 "
6	21.002	18.07	77.0	50.53	77.7	.0084	.7948	19.14.9	C	10 12 "
7	21.963	18.44	76.9	50.60	77.4	.0145	.7956	19.14.2	C	11 12 "
8	21.208	18.44	77.0	50.63	77.6	.0145	.7969	19.14.6	C	Midnight.
9	21.415	18.25	76.4	50.32	77.1	.0113	.7925	19.13.6	K	1 12 a. m.
10	21.345	18.33	76.1	50.35	76.8	.0126	.7939	19.13.8	K	2 12 "
11	21.071	18.49	75.9	50.40	76.8	.0153	.7934	19.13.3	K	3 12 "

On the 13th, at about 19h., Dip as obtained by Observation was 18°57'2.
On the 14th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 16TH TO 18TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.	°							°		h. m.
JAN. 16TH—12	20·110	18.64	75·7	50.34	76·5	8.0177	2.7929	19°12·8	K	4 12 a. m.
13	19.356	18.55	75.0	50.35	76.0	.0162	.7929	19.13.0	L	5 12 „
14	19.424	18.80	74.2	50.50	75.5	·0203	.7945	19.13.2	L	6 12 „
15	19.836	18.82	74.1	50.74	75.1	.0206	.7974	19.13.1	L	7 12 „
16	21.002	18.85	74.8	50.90	75.1	.0211	.7989	19.14.7	L	8 12 „
17	22.581	19·18	76.6	50·69	76.0	.0265	.7976	19·13·4	C	9 12 „
18	21.826	19.31	78.0	50.14	77.1	.0287	.7905	19·10.4	C	10 12 „
19	20.179	19.75	79.6	49.66	78.1	.0359	.7853	19.07·5	C	11 12 „
20	19.699	19·69	81.0	49.87	79.0	.0349	.7876	19.08.4	C	Noon.
21	19·699	19.83	82.5	49.80	80.0	.0372	.7868	19.07.9	K	1 12 p. m.
22	20.316	19.70	83.0	49.70	80.8	.0351	.7857	19.07.8	K	2 12 „
23	20.522	19.66	83.0	49.74	81.4	.0344	.7861	19.08 0	K	3 12 „
JAN. 17TH-Noon.	20.522	19.33	82.4	49.79	81.2	.0290	.7867	19.08.9	K	4 12 „
1	20.247	19·10	81.6	49·87	80.5	.0252	.7876	19.09·7	L	5 12 „
2	20.453	18.93	80.4	50.05	80.1	.0224	.7896	19.10.0	L	6 12 „
3	20.865	18.75	79.7	50.17	79.6	.0193	·7909	19.11.8	L	7 12 „
4	20.796	18.66	79.0	50·20	79.2	.0180	.7912	19.12.1	L	8 12 „
5	20.865	18.56	78.5	50.24	78.9	.0164	.7916	19.12.5	C	9 12 „
6	21.071	18.61	77.7	50.31	78.6	.0172	.7924	19.12.7	C	10 12 „
7	20.728	18.70	77.2	50.29	78.1	.0187	.7922	19.12.3	C	11 12 „
8	20.385	18.88	77.1	50.33	77.8	.0216	.7926	19.12.1	C	Midnight.
9	20.316	19·01	78.0	50.37	77.6	.0238	.7931	19.11.7	K	1 12 a. m.
10	20·247	18.90	77.5	50.48	77.5	.0219	.7943	19.12.8	K	2 12 „
11	20.042	18.86	77.0	50.18	77.1	.0213	.7910	19 12.7	K	3 12 „
12	19.904	18.82	76.5	50.11	77.0	.0206	.7902	19.11.3	K	4 12 „
13	19.493	19·11	75·7	50.15	76.6	.0254	.7907	19.11.0	L	5 12 „
14	20.042	18.98	75.0	50.28	76.0	.0232	.7921	19.11.8	L	6 12 „
15	19.561	18.95	74.7	50.32	75.7	.0227	.7925	19.12.0	L	7 12 „
16	20.179	19.33	76.1	50.46	75.9	.0291	.7941	19.11.8	L	8 12 „
17	21.758	19.67	77.7	50.45	76.6	.0346	.7940	19.10.0	C	9 12 „
18	22.237	19.89	79.0	50.08	77.5	.0382	.7899	19.09.0	C	10 12 „
19	19.973	20.22	80.3	49.68	78·5	.0436	.7855	19.06.6	C	11 12 „
20	19·836	20.09	81.2	49.73	79.4	.0415	.7860	19·06.9	C	Noon.
21	20·119	19.66	82.0	49.11	80.2	.0344	.7865	19.08.2	K	1 12 p. m.
22	20.659	19.53	82.8	49.88	81·0	.0318	.7877	19·08·9	K	2 12 „
23	22.032	19.21	83.0	49.91	81.4	.0271	.7880	19.09.7	K	3 12 „
JAN. 18TH–Noon.	21.482	19.17	82.6	49.53	81.0	.0264	.7838	19·08·2	K	4 12 „
1	20.865	18.99	81.3	49.60	80.5	.0234	.7846	19·08·9	L	5 12 „
2	21.071	18.62	80.4	49.80	80.0	.0173	.7868	19·10·5	L	6 12 „
3	21.415	18.41	79.6	49.99	79.5	.0140	.7889	19.11.9	L	7 12 „
4	21.071	18.39	79.0	49.97	79.0	.0136	.7887	19·11·7	L	8 12 „
5	20.453	18.58	78.4	50.02	78.9	.0167	.7892	19·11·4	C	9 12 „
6	20.728	18.56	77.0	50·09	78.1	.0164	.7900	19·11·9	C	10 12 „
7	20.522	18.73	76.7	50.19	77.9	.0192	.7911	19·11·9	C	11 12 „
8	20.522	18.80	76.2	50.02	77.3	.0203	.7892	19·11·0	C	Midnight.
9	20.933	18.82	76.0	50.27	77.0	.0206	.7920	19·12·1	K	1 12 a. m.
10	20.247	18.82	76.0	50.30	76.7	.0206	.7923	19·12·2	K	2 12 „
11	20.042	18.79	75.9	50.59	76.4	.0202	.7955	19·13·6	K	3 12 „
12	19.904	18.84	75·5	50.18	76.0	.0210	.7910	19·11.7	K	4 12 „
13	19.836	18.83	74.7	50.44	75.8	.0208	.7938	19·11·8	L	5 12 „
14	20.110	18.83	74.1	50.54	75.3	.0208	.7949	19·13·2	L	6 12 „
15	19·630	18.96	73.8	50.66	74.8	.0229	.7963	19·13·4	L	7 12 „
16	21.002	19.22	75.0	50.80	75.0	.0272	.7978	19·13.5	L	8 12 „
17	22.444	19.52	76.7	50.52	75.4	.0321	.7947	19·11·7	C	9 12 „
18	21.482	19.69	76.9	50.07	76.0	.0349	.7898	19·09·3	C	10 12 „
19	20.385	19.98	78.5	49.70	77·0	.0396	.7857	19.07.2	C	11 12 „
20	20.247	19.84	80.0	49.79	78.0	.0374	.7867	19.07·9	C	Noon.
21	21.208	19.80	81.0	50.03	79.0	.0367	.7893	19.08·9	K	1 12 p. m.
22	21.415	19.72	81.2	50.05	79.4	.0354	.7896	19.09·2	K	2 12 „
23	21.551	19.54	81.0	50.00	80.0	.0325	.7890	19·09·3	K	3 12 „

DAILY OBSERVATIONS FROM 19TH TO 21ST JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Jan. 19th-Noon.	21·345	19.45	80·8	49.89	79·8	8.0310	2.7878	19°09′1	K	4 12 p. m.
1	21.071	18.74	79.7	49.95	79.0	.0194	.7885	19.10.9	L	5 12 ,,
2	21.002	18.79	78.8	50.20	78·6	.0202	.7912	19.11.8	L	6 12 ,,
3	21.139	18.52	78.1	50.30	78.3	.0157	.7924	19.12.8	L	7 12 ,,
4	20.865	18.64	77.9	50.24	78.0	.0177	.7916	19.12.3	L	8 12 ,,
5	20.453	18.64	77.6	50.32	77.6	.0177	.7925	19.12.7	C	9 12 ,,
6	20.453	18.74	77.0	50.27	77.2	.0194	.7920	19.12.3	C	10 12 ,,
7	20.385	18.71	76.5	50.46	77.0	.0189	.7941	19.13.1	C	11 12 ,,
8	20.865	18.66	76.0	50.56	76.9	.0180	.7952	19.13.7	C	Midnight.
9	21.551	18.60	75.4	50.50	76.5	.0170	.7945	19.13.6	K	1 12 a. m.
10	21.071	18.59	75.0	50.58	76.0	.0169	.7954	19.13.9	K	2 12 ,,
11	20.385	18.81	74.2	50.57	75·5	.0205	.7953	19 13.4	K	3 12 ,,
12	20.042	18.82	74.0	60.55	75.0	.0206	.7951	19.13.3	K	4 12 ,,
13	20.042	18.94	74.0	50.69	75.0	.0226	.7966	19.13.5	L	5 12 ,,
14	20.042	19.03	73.8	50.86	74.8	.0241	.7985	19.14.2	L	6 12 ,,
15	20.659	18.88	73.0	50.80	74.0	.0216	.7978	19.14.1	L	7 12 ,,
16	21.071	19.06	73.6	50.92	74.0	.0246	.7991	19.14.2	L	8 12 ,,
17	22.374	19.45	75.2	50.84	74.8	.0310	.7982	19.13.1	C	9 12 ,,
18	21.688	19.76	77.0	50.19	75.8	.0361	.7911	19.09.7	C	10 12 ,,
19	19.699	19.82	79.0	49.71	77.0	.0370	.7858	19.07.8	C	11 12 ,,
20	19.767	19.90	80.0	49.94	77·0	.0383	.7883	19.09.3	C	Noon.
21	21.002	19.75	80.9	50.30	79.0	.0359	.7923	19.10.2	K	1 12 p. m.
22	21.551	19.52	81.3	50.26	79.9	.0321	.7919	19.12.4	K	2 12 ,,
23	21.139	19.38	81.0	50.04	80.2	.0293	.7894	19.09.9	K	3 12 ,,
Jan. 20th-Noon.	20.522	19.27	80.8	50.05	80.1	.0281	.7896	19.10.2	K	4 12 ,,
1	19.973	19.23	79.8	50.04	79.4	.0274	.7894	19.10.3	L	5 12 ,,
2	20.042	19.13	79.0	50.27	78.9	.0257	.7920	19.11.4	L	6 12 ,,
3	20.590	18.89	78.0	50.34	78.1	.0218	.7927	19.12.2	C	7 12 ,,
4	20.590	18.80	77.8	50.39	78.0	.0203	.7933	19.12.7	C	8 12 ,,
5	20.590	18.85	77.5	50.44	77.9	.0211	.7938	19.12.9	K	9 12 ,,
6	20.385	18.87	77.0	50.45	77.5	.0215	.7940	19.12.7	K	10 12 ,,
7	20.796	18.94	76.9	50.52	77.3	.0226	.7947	19.12.9	L	11 12 ,,
8	20.522	18.89	76.6	50.58	77.2	.0218	.7954	19.13.2	L	Midnight.
9	20.728	19.04	76.3	50.64	77·0	.0243	.7960	19.13.2	C	1 12 a. m.
10	20.453	19.07	76.0	50.64	76.7	.0248	.7960	19.13.0	C	2 12 ,,
11	20.179	19.23	76.2	50.65	76·5	.0274	.7962	19.12.8	K	3 12 ,,
12	19.904	19.12	76.2	50.67	76·5	.0255	.7964	19.13.0	K	4 12 ,,
13	19.561	19.13	76.0	50.31	76.4	.0257	.7924	19.11.5	L	5 12 ,,
14	19.356	19.21	75.6	50.79	76.2	.0271	.7977	19.13.5	L	6 12 ,,
15	20.316	19.25	76.6	50.78	76.0	.0277	.7989	19.13.8	L	7 12 ,,
16	21.482	19.55	76.2	50.82	76.0	.0326	.7993	19.13.3	L	8 12 ,,
17	22.718	19.92	77.1	50.46	76.7	.0386	.7952	19.10.9	C	9 12 ,,
18	21.139	20.31	78.7	49.73	77.5	.0451	.7868	19.09.8	C	10 12 ,,
19	18.875	20.48	80.4	49.56	78.9	.0479	.7845	19.05.7	C	11 12 ,,
20	19.836	20.55	82.2	49 85	80.1	.0490	.7874	19.06.5	C	Noon.
21	21.895	20.58	83.8	50.07	81.8	.0495	.7898	19.07.4	K	1 12 p. m.
22	22.718	20.34	84.8	49.99	83.0	.0456	.7889	19.06.2	K	2 12 ,,
23	22.581	20,16	85.5	49.83	84.4	.0416	.7871	19.07.2	K	3 12 ,,
Jan. 21st-Noon.	22.444	19.74	85.8	49.77	84.0	.0358	.7865	19.07.9	K	4 12 ,,
1	21.139	19.16	84.2	49.54	82.9	.0262	.7839	19.08.2	L	5 12 ,,
2	20.042	18.89	82.3	49.64	82·0	.0218	.7850	19.09.2	L	6 12 ,,
3	20.796	18.69	81.0	49.82	81.2	.0185	.7870	19.10.3	L	7 12 ,,
4	20.590	18.63	80.3	49.86	80.4	.0175	.7875	19.10.7	L	8 12 ,,
5	20.728	18.75	80.0	50.00	80.0	.0195	.7890	19.11.0	C	9 12 ,,
6	20.865	18.76	79.5	50.25	79·9	.0197	.7918	19.12.1	C	10 12 ,,
7	20.659	18.92	79.0	50.33	79.4	.0222	.7926	19.12.1	C	11 12 ,,
8	20.659	19.09	78.8	50.28	79.2	.0251	.7921	19.11.5	C	Midnight.
9	20.659	19.29	78.4	50.27	78.7	.0284	.7920	19.11.7	K	1 12 a. m.
10	20.590	19.01	78.0	50.27	78.6	.0238	.7920	19.11.7	K	2 12 ,,
11	20.110	19.02	77.9	50.31	78.4	.0239	.7924	19.11.8	K	3 12 ,,

On the 20th, at about 23h., Dip as obtained by Observation was 19°10′0.

DAILY OBSERVATIONS FROM 21ST TO 24TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.	°									h. m.
JAN. 21ST—12	20'247	19.15	77°8	50.33	78°2	8.0260	2.7926	19°11'6	K	4 12 a. m.
13	20.247	19.27	77.9	50.30	78.3	.0281	.7923	19.11.3	L	5 12 „
14	19.699	19.29	77.7	50.23	78.3	.0284	.7915	19.11.0	L	6 12 „
15	19.356	19.41	77.5	50.22	78.1	.0304	.7914	19.10.6	L	7 12 „
16	20.455	19.77	77.9	50.36	78.1	.0363	.7930	19.10.5	L	8 12 „
17	21.276	20.31	79.2	50.07	79.0	.0451	.7898	19.08.0	K	9 12 „
18	20.385	20.68	81.0	49.64	79.6	.0511	.7850	19.05.5	K	10 12 „
19	18.875	20.93	83.0	49.53	81.0	.0552	.7838	19.04.4	K	11 12 „
20	18.807	20.65	84.4	49.79	82.2	.0506	.7867	19.06.1	K	Noon.
21	19.630	20.21	85.4	50.06	83.1	.0435	.7897	19.08.2	C	1 12 p. m.
22	20.796	19.87	86.0	50.10	84.4	.0379	.7901	19.09.4	C	2 12 „
23	21.415	19.72	86.9	49.93	85.0	.0354	.7882	19.08.6	C	3 12 „
JAN. 23RD—Noon.	21.002	19.78	83.9	49.69	83.0	.0364	.7856	19.07.6	B	4 12 „
1	20.110	19.54	83.0	49.62	82.3	.0325	.7848	19.07.7	B	5 12 „
2	19.630	19.41	82.0	49.77	81.7	.0304	.7865	19.08.7	L	6 12 „
3	20.385	18.96	81.0	49.89	81.4	.0229	.7878	19.10.1	L	7 12 „
4	20.590	19.08	80.1	49.90	80.8	.0249	.7879	19.09.8	L	8 12 „
5	20.590	19.21	79.5	49.89	80.3	.0277	.7878	19.09.5	C	9 12 „
6	20.385	19.01	78.4	50.03	79.9	.0238	.7893	19.10.6	C	10 12 „
7	20.865	19.02	78.0	50.16	79.5	.0239	.7908	19.11.2	C	11 12 „
8	21.139	19.15	77.6	50.16	79.0	.0260	.7908	19.10.9	C	Midnight.
9	20.453	19.47	78.6	50.19	79.0	.0314	.7911	19.10.5	K	1 12 a. m.
10	20.453	19.40	78.6	50.27	79.0	.0302	.7920	19.10.9	K	2 12 „
11	20.385	19.34	78.0	50.31	78.5	.0292	.7924	19.11.1	K	3 12 „
12	20.453	19.47	78.0	50.38	78.5	.0314	.7932	19.11.2	K	4 12 „
13	20.179	19.40	77.5	50.40	78.4	.0302	.7934	19.11.4	L	5 12 „
14	20.179	19.57	77.0	50.39	78.1	.0330	.7933	19.11.1	L	6 12 „
15	20.247	19.58	76.8	50.71	77.6	.0331	.7968	19.12.3	L	7 12 „
16	21.758	20.01	77.1	50.90	77.4	.0402	.7989	19.12.2	B	8 12 „
17	24.502	20.35	78.0	50.58	77.8	.0457	.7954	19.10.1	C	9 12 „
18	22.374	20.88	79.5	49.56	78.5	.0544	.7842	19.04.7	C	10 12 „
19	18.944	21.13	80.9	49.38	79.1	.0585	.7822	19.03.2	C	11 12 „
20	18.464	21.01	82.0	49.63	80.9	.0566	.7849	19.04.6	C	Noon.
21	19.356	20.78	83.4	49.80	81.8	.0528	.7868	19.05.8	K	1 12 p. m.
22	19.973	20.40	83.9	49.91	82.2	.0466	.7880	19.07.2	K	2 12 „
23	20.796	20.01	83.9	50.00	82.6	.0415	.7890	19.08.1	K	3 12 „
JAN. 24TH—Noon.	21.688	19.84	83.1	50.04	82.5	.0374	.7894	19.08.9	K	4 12 „
1	20.796	19.75	82.2	49.74	82.0	.0359	.7861	19.07.7	N	5 12 „
2	19.836	19.62	81.4	49.83	81.0	.0337	.7871	19.08.4	N	6 12 „
3	20.453	19.52	80.8	50.07	80.4	.0321	.7898	19.09.7	N	7 12 „
4	20.590	19.36	80.3	50.19	80.2	.0295	.7911	19.10.5	N	8 12 „
5	20.385	19.36	79.9	50.15	80.0	.0295	.7907	19.10.4	C	9 12 „
6	20.316	19.29	79.4	50.24	79.8	.0284	.7916	19.11.0	C	10 12 „
7	20.453	19.38	79.0	50.34	79.5	.0298	.7927	19.11.2	C	11 12 „
8	20.385	19.39	78.8	50.27	79.0	.0300	.7920	19.10.9	C	Midnight.
9	20.522	19.44	78.6	50.57	79.0	.0309	.7953	19.12.1	K	1 12 a. m.
10	20.385	19.48	78.2	50.51	78.6	.0315	.7946	19.11.6	K	2 12 „
11	20.110	19.48	77.9	50.47	78.2	.0315	.7942	19.11.4	K	3 12 „
12	20.110	19.42	77.0	50.44	78.0	.0305	.7938	19.11.5	K	4 12 „
13	19.973	19.45	76.8	50.51	77.8	.0310	.7946	19.11.8	N	5 12 „
14	19.356	19.47	76.1	50.60	77.1	.0314	.7956	19.12.2	N	6 12 „
15	21.071	19.26	75.5	50.93	76.3	.0279	.7992	19.13.9	N	7 12 „
16	22.237	19.59	75.9	50.77	76.2	.0333	.7975	19.12.5	N	8 12 „
17	22.374	19.90	76.8	50.18	76.6	.0383	.7910	19.09.5	C	9 12 „
18	20.385	20.41	78.3	49.52	77.4	.0468	.7837	19.05.5	C	10 12 „
19	19.767	20.70	80.0	49.42	78.8	.0515	.7827	19.04.3	C	11 12 „
20	19.356	20.51	80.9	49.47	79.4	.0484	.7832	19.05.1	C	Noon.
21	19.904	20.38	81.0	49.75	79.8	.0462	.7863	19.06.5	K	1 12 p. m.
22	20.247	20.20	81.1	49.90	80.0	.0433	.7879	19.07.5	K	2 12 „
32	20.659	19.89	80.8	50.01	80.3	.0382	.7891	19.08.7	K	3 12 „

On the 21st, at about 19h. 25m., Deflection Observations were taken.
On the 24th at about 18h., Dip as obtained by Observation was 18°51'2.

DAILY OBSERVATIONS FROM 25TH TO 27TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JAN. 25TH-Noon.	20°865	19.65	80°5	50.19	79°7	8.0342	2.7911	16°10'0	K	4 12 p. m.
1	20.590	19.51	79.5	50.17	79.0	.0320	.7909	61.10.1	N	5 12 ,,
2	19.904	19.34	78.5	50.18	78.5	.0292	.7910	61.10.6	N	6 12 ,,
3	20.385	19.36	78·0	50.44	78.0	.0295	.7933	19.11.6	N	7 12 ,,
4	20.385	19.26	77.5	50.49	77.7	.0279	.7944	19.12.1	N	8 12 ,,
5	20.453	19.18	77.2	50.56	77.5	.0265	.7952	19.12.5	C	9 12 ,,
6	20.385	19.21	77.0	50.60	77.4	.0271	.7956	19.12.7	C	10 12 ,,
7	20.179	19.22	76.3	50.46	77.0	.0272	.7941	19.12.1	C	11 12 ,,
8	20.247	19.15	75.8	50.40	76.6	.0260	.7934	19.11.9	C	Midnight.
9	19.973	19.20	75.3	50·47	76.3	.0269	.7942	19.12.1	K	1 12 a. m.
10	20.316	19.19	75.0	50.68	76.0	.0267	.7965	19.13.0	K	2 12 ,,
11	20.179	19.29	75.2	50.63	76.0	.0284	.7969	19.13.0	K	3 12 ,,
12	19.836	19.27	74.8	50.59	75.8	.0281	.7955	19.12·6	K	4 12 ,,
13	20.076	19.22	73.9	50.86	75.2	.0272	.7985	19.13.8	N	5 12 ,,
14	20.042	19.31	73.2	50.85	74.9	.0287	.7984	19.13.4	N	6 12 ,,
15	20.042	19.29	73.0	50.96	74.3	.0284	.7996	19.13.9	N	7 12 ,,
16	21.482	19.57	73.7	51.26	74.2	.0330	.8029	19.14.7	N	8 12 ,,
13	22.787	20.08	75.6	51.03	75.0	.0413	.8003	19.12.7	C	9 12 ,,
18	21.551	20.36	77.0	50.28	75.9	.0459	.7921	19.08.8	C	10 12 ,,
19	19.699	20.41	78.0	49·69	76.2	.0468	.7856	19.06·2	C	11 12 ,,
20	18.532	20.32	79.0	49.72	77.3	.0452	.7959	19.06.5	C	Noon.
21	19.150	20.31	79.9	49.84	78.0	.0451	.7872	19.06.9	K	1 12 p. m.
22	19.424	20.30	80.0	50.01	78.5	.0449	.7891	19.07.7	K	2 12 ,,
23	20.316	20.10	80.0	50.32	79.0	.0416	.7925	19.09.8	K	3 12 ,,
JAN. 26TH-Noon.	21.688	19.93	79.7	50.37	79.0	.0388	.7931	19.10.1	K	4 12 ,,
1	21.276	19.65	78.6	50.22	78.0	.0342	.7914	19.10.1	N	5 12 ,,
2	20.042	19.52	77·9	50.32	77.3	.0321	.7925	19.10.8	N	6 12 ,,
3	20.385	19.36	77.3	50.53	77.0	.0295	.7948	19.12.0	N	7 12 ,,
4	20.590	19.29	76.9	50.59	77.0	.0284	.7955	19.12.6	N	8 12 ,,
5	20.179	19.30	76.6	50.56	76·9	.0285	.7952	19.12.2	C	9 12 ,,
6	20.042	19.20	76.2	50.61	76.5	.0269	.7957	19.12.8	C	10 12 ,,
7	20.179	19.20	76.0	50.68	76.3	.0269	·7965	19.13.0	C	11 12 ,,
8	20.728	19.30	75.8	50.74	76.0	.0285	.7971	19.12.9	C	Midnight.
9	20.796	19.17	75.6	50.80	76.0	.0264	.7978	19.13.6	K	1 12 a. m.
10	20.590	19.02	75.2	50.82	75.8	.0239	.7980	19.14.0	K	2 12 ,,
11	20.179	19.17	75.0	50.62	75.5	.0264	.7958	19.12.6	K	3 12 ,,
12	19.699	19.33	74.8	50.68	75.3	.0290	.7965	19.12.7	K	4 12 ,,
13	20.042	19.19	74.6	50.85	75.0	.0267	.7984	19.13.7	N	5 12 ,,
14	19.699	19.23	73.8	50.84	74.5	.0274	.7982	19.13.6	N	6 12 ,,
15	21.345	19.57	73.7	51.35	74·0	.0330	.8039	19.15.1	N	7 12 ,,
16	23.267	19.47	74.3	51.33	74.3	.0314	.8036	19.15.3	N	8 12 ,,
13	23.816	19.35	75.4	50.64	74.7	.0293	.7960	19.12.5	C	9 12 ,,
18	21.208	19.71	77.0	49.67	75.5	.0353	.7854	19.07.6	C	10 12 ,,
19	19.630	19.80	77.8	49.83	76.6	.0367	.7871	19.08.0	C	11 12 ,,
20	18.464	20.15	78.3	49.80	76.5	.0424	.7868	19.07.2	C	Noon.
21	18.327	19.75	78.9	49.97	77.2	.0359	.7887	19.08.9	K	1 12 p. m.
22	18.532	19.37	79.0	50.33	77.5	.0297	.7926	19.11.2	K	2 12 ,,
23	19.699	19.25	79.0	50.50	78.0	.0277	.7945	19.12.2	K	3 12 ,,
JAN. 27TH-Noon.	20.659	18.74	78.9	50.69	78.0	.0194	.7966	19.14.0	K	4 12 ,,
1	20.179	18.64	78.0	50.61	77.0	.0177	.7957	19.14.0	N	5 12 ,,
2	19.870	18.78	77·0	50.72	76.8	.0190	.7969	19.14.1	N	6 12 ,,
3	20.316	18.80	76.5	50.90	76.6	.0203	.7989	19.14.8	N	7 12 ,,
4	20.728	18.80	76.2	50.83	76.3	.0203	.7981	19.14.6	N	8 12 ,,
5	21.002	18.71	76.0	50.87	76.1	.0189	.7986	19.14.8	C	9 12 ,,
6	20.522	18.65	75.8	50.90	76.0	.0182	.7989	19.15.1	C	10 12 ,,
7	20.933	18.81	75.6	50.98	75.9	.0205	.7998	19.15.1	C	11 12 ,,
8	20.728	18.94	75.2	50.94	75.7	.0226	.7993	19.15.6	C	Midnight.
9	20.659	19.04	75.0	51.07	75.5	.0243	.8008	19.15.1	K	1 12 a. m.
10	20.110	19.05	74.8	51.10	75.3	.0244	.8011	19.15.2	K	2 12 ,,
11	20.110	19.08	74.5	51.01	75.0	.0249	.8001	19.14.6	K	3 12 ,,

DAILY OBSERVATIONS, FROM 27TH TO 30TH JANUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JAN. 27TH—12	20°179	19.12	74°1	51.16	74°8	8.0255	2.8018	19°15'2	K	4 12 a. m.
13	20·179	19.08	73.9	51.15	74·0	.0265	·8017	19·15.1	N	5 12 „
14	20.247	19.08	73.4	51.22	74.0	.0265	·8024	19.15.3	N	6 12 „
15	22.374	18.93	72.9	51·47	73.7	.0224	·8052	19.16.9	N	7 12 „
16	23.816	19.14	73.5	51.59	73.5	.0259	·8065	19.17.0	N	8 12 „
17	25.257	19.26	74.9	51.14	74.0	.0279	.8015	19.14.9	C	9 12 „
18	24.846	19.25	75.5	50.20	74.9	.0277	·7912	19.10.8	C	10 12 „
19	21.758	19.53	77.4	49.86	75.9	·0323	.7875	19.08.7	C	11 12 „
20	20.110	19.49	78.4	49.77	76.2	.0317	.7865	19.08.4	C	Noon.
21	18.670	19.40	79.2	49.96	77.1	.0302	.7886	19.09.9	K	1 12 p. m.
22	18.464	19.48	79.9	50.01	77.8	·0315	.7891	19.09.4	K	2 12 „
32	19.356	19.18	79.9	50.20	78.5	.0265	·7912	19.10.9	K	3 12 „
JAN. 28TH—Noon.	19.767	19.24	79.8	50.31	78.5	.0276	.7968	19.13.0	K	4 12 „
1	20.042	19.08	78.7	50·51	77.8	.0249	.7946	19·12.5	K	5 12 „
2	20.110	19.04	77.9	50.68	77·5	.0243	·7965	19.13.4	L	6 12 „
3	20.865	19.02	77.4	50.82	77.4	·0239	.7980	19·14·0	L	7 12 „
4	20.796	19.00	77.1	50.87	77.2	·0236	·7986	19·14.2	L	8 12 „
5	20.659	18.92	77.0	50.61	77.0	.0222	.7957	19·13.4	L	9 12 „
6	20.453	18.97	76.8	50.63	76.9	·0231	.7962	19·13.3	C	10 12 „
7	20.522	18.95	76.5	50.73	76.6	.0227	·7970	19·13·7	C	11 12 „
8	20.453	18.96	76.1	50.74	76.2	·0229	.7971	19.13.7	C	Midnight.
9	20.316	19.04	76.0	50.81	76.2	.0243	.7979	19·13.9	C	1 12 a. m.
10	20.728	18·89	75.8	50.88	76.0	.0218	.7987	19.14.5	K	2 12 „
11	21.002	18.83	75·6	50.88	75.9	.0208	.7987	19·14·7	K	3 12 „
12	20.522	18.95	75.0	50.85	75.5	·0227	.7984	19·14·2	K	4 12 „
13	20.385	19.16	75.0	50.78	75.4	·0262	·7976	19·13·5	K	5 12 „
14	20.385	19.10	74.8	50.76	75.3	·0252	.7974	19·13.5	L	6 12 „
15	20.659	18.93	74.4	51.04	74.6	·0224	.8004	19.15.1	L	7 12 „
16	21.276	19.16	74.5	50.96	74·5	.0262	·7996	19·14.3	L	8 12 „
17	22.512	19.34	75.5	50.70	75.0	·0292	.7967	19.12·8	L	9 12 „
18	21.758	19.67	76.5	50.37	75.6	·0346	.7931	19.10·6	C	10 12 „
19	19.904	19.88	77.6	49.93	76.0	·0380	·7882	19.08·3	C	11 12 „
20	18.944	19.93	78.4	49.93	76.9	.0388	.7882	19·08·1	C	Noon.
21	19.218	19.88	79.1	50.01	77.5	·0380	.7891	19·08.7	C	1 12 p. m.
22	20.042	19.71	79.5	50.15	78·2	.0353	·7907	19·10.7	K	2 12 „
23	20.247	19.53	79.6	50.18	78.8	.0323	.7910	19·10·2	K	3 12 „
JAN. 30TH—Noon.	20.522	20.00	79.7	50.32	78.6	.0400	.7925	19.09.8	K	4 12 „
1	20.728	19.86	78.8	50.30	78.2	·0377	·7923	19.10·0	K	5 12 „
2	19.973	19.72	77.5	50.25	77.6	.0354	.7918	19·10·1	K	6 12 „
3	20·385	19.73	77.0	50.39	77.3	·0356	·7933	19.10.6	K	7 12 „
4	20.463	19.61	77.0	50.51	77.1	·0336	.7946	19.11·4	K	8 12 „
5	20.522	19.54	76.8	50.55	76.8	·0325	.7951	19.11.7	L	9 12 „
6	20.659	19.46	75.9	50.54	76.3	.0312	·7949	19·11.9	L	10 12 „
7	20.659	19.46	75.3	50.63	76.0	.0312	·7959	19·11.3	L	11 12 „
8	20.522	19.27	74.5	50.67	75.5	·0281	.7964	19.12.8	L	Midnight.
9	20.728	19.32	74.0	50.70	74.9	·0288	.7967	19.12.8	C	1 12 a. m.
10	21.139	19.32	73.7	50.84	74.5	·0288	·7982	19.13.3	C	2 12 „
11	20.796	19.03	73.1	50.97	74.1	.0241	·7997	19.14·7	C	3 12 „
12	20.110	19.24	72.8	50.83	73.8	·0276	·7981	19·13·5	C	4 12 „
13	19.699	19.29	72.4	50.81	73.5	.0284	.7979	19·13·2	K	5 12 „
14	19.630	19.39	72.0	50.98	73.2	.0300	·7998	19.13·9	K	6 12 „
15	20.385	19.32	71.8	51.14	73.0	·0288	.8015	19.14.7	K	7 12 „
16	20.728	19.72	72.8	51.33	72.8	.0354	.8036	19·14.7	K	8 12 „
17	20.933	19.91	74.2	51·22	73·2	·0385	.8024	19·14.7	L	9 12 „
18	21.619	20.22	75.9	50.81	74.4	.0436	·7979	19.11.3	L	10 12 „
19	20.933	20.47	77.6	50.47	75.8	.0478	.7942	19.10.4	L	11 12 „
20	20·316	20.52	79.3	50.33	77.0	·0485	.7926	19.08.6	L	Noon.
21	20.659	20.54	79.9	50.32	78.0	.0489	.7925	19·08.6	C	1 12 p. m.
22	20.247	20.43	80.2	50.24	78.8	.0471	·7916	19·08.4	C	2 12 „
23	20.865	19·80	80.7	50.23	79.1	·0367	.7915	19·10.8	C	3 12 „

On the 28th, at about 19h. Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST JANUARY TO 2ND FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JAN. 31ST-Noon.	20·933	19.75	80°5	50.27	79°2	8.0359	2.7920	19°10·1	C	4 12 p. m.
1	20·385	19.70	80.0	50.23	79.0	.0351	.7915	19.10.0	K	5 12 „
2	19.767	19.60	79.2	50.40	78.4	.0337	.7934	19.10.9	K	6 12 „
3	20.453	19.47	78·6	50.50	78·0	.0314	.7945	19.11.8	K	7 12 „
4	20·728	19·38	78·2	50·59	77.9	.0298	.7955	19.12·3	K	8 12 „
5	20.659	18.66	78·0	50.61	77.6	.0180	.7967	19.14.0	L	9 12 „
6	20.728	19.26	77.8	50.65	77·6	.0279	.7962	19.12.7	L	10 12 „
7	20·453	19.38	77.6	50.66	77.4	.0298	.7963	19.12.5	L	11 12 „
8	20.453	19.33	77.1	50.67	77.2	.0290	.7964	19.12·5	L	Midnight.
9	20.316	19·34	76.9	50.73	77.0	.0292	.7970	19.12.8	C	1 12 a. m.
10	20·659	19.31	76.7	50.80	77.0	.0287	.7978	19.13.2	C	2 12 „
11	20.728	19·32	76·2	50.80	76.7	.0288	.7978	19.13.2	C	3 12 „
12	20.453	19·32	75.8	50.79	76·2	.0288	.7977	19.13.2	C	4 12 „
13	20.316	19.13	75·0	50.82	76·0	.0257	.7980	19.13.7	K	5 12 „
14	20.316	19.09	74.2	50.86	75.4	.0251	.7985	19.14.0	K	6 12 „
15	19.493	19.32	74.5	50·95	75·0	.0288	.7995	19.13.9	K	7 12 „
16	19·699	19.61	75·6	51.09	75·5	.0336	.8010	19.13.5	K	8 12 „
17	20.453	19.39	76.6	50·93	76·0	.0300	.7992	19.13.6	L	9 12 „
18	20.728	20.27	77.9	50.56	76·5	.0445	.7952	19.10.7	L	10 12 „
19	19.013	20.49	79.0	50.13	77.1	.0481	.7904	19.07·9	L	11 12 „
20	18.052	20.67	79.8	50·12	77·9	.0510	.7903	19.07.5	L	Noon.
21	18.601	20.59	80.5	50.11	78·7	.0497	.7902	19.07.5	C	1 12 p. m.
22	18.532	20.35	81.0	50·18	79.3	.0457	.7910	19.08.4	C	2 12 „
23	19.561	20.22	81.6	50.30	80.0	.0436	.7923	19.09.2	C	3 12 „
FEB. 1ST-Noon.	20.522	19.97	81.6	50.32	80.1	.0396	.7925	19.09·8	C	4 12 „
1	20.247	19.70	80.8	50.30	80.0	.0351	.7923	19.10.3	K	5 12 „
2	19.561	19.58	79·8	50.34	79.5	.0331	.7927	19.10.8	K	6 12 „
3	20·110	19.39	79·1	50.52	79.2	.0300	.7947	19.12.0	K	7 12 „
4	20.179	19.28	78.8	50·47	79.0	.0282	.7942	19.12.0	K	8 12 „
5	20.247	19·19	78.6	50·64	78.6	.0267	.7960	19.12.8	L	9 12 „
6	20·385	19.20	78.2	50.54	77.3	.0269	.7949	19.12.4	L	10 12 „
7	20.522	19.19	77.7	50·64	78.1	.0267	.7960	19.12.8	L	11 12 „
8	20·453	19.27	77.4	50.72	78·0	.0281	.7969	19.13.0	L	Midnight.
9	20.659	19.16	77.2	50·80	77.8	.0262	.7978	19·13.4	C	1 12 a. m.
10	20·865	19.23	77·0	50.77	77·3	.0274	.7975	19.13.4	C	2 12 „
11	20·796	19.18	76.8	50·81	77.1	.0265	.7979	19.13.5	C	3 12 „
12	20.933	19.93	76·2	50.77	77·0	.0224	.7975	19·14.0	C	4 12 „
13	20.453	19.05	75.4	50.82	76.5	.0244	.7980	19.14·0	K	5 12 „
14	20.316	19.22	75.8	50.77	76.2	.0272	.7986	19.13.8	K	6 12 „
15	21·139	19.32	75.1	50.91	76.0	.0288	.7990	19.13.7	K	7 12 „
16	21·551	19.48	76.0	50·96	76.2	.0315	.7996	19.13.5	K	8 12 „
17	22·923	19.81	77.0	50.70	76·6	.0369	.7967	19.11.8	L	9 12 „
18	22·787	19.93	78.7	50·42	77·4	.0388	.7936	19.10.3	L	10 12 „
19	20·796	20.18	79.6	49·95	78.2	.0413	.7885	19.08.1	L	11 12 „
20	20·110	20·10	80.9	50·12	78.9	.0416	.7903	19.08.6	L	Noon.
21	20.796	20.13	81.5	50.16	80.0	.0421	.7908	19.08.8	C	1 12 p. m.
22	20.316	19.99	81.8	50.08	80·6	·0398	.7899	19.12.6	C	2 12 „
23	20.385	19.68	81.7	50.20	81.0	.0347	.7912	19.09.8	C	3 12 „
FEB. 2ND-Noon.	20.933	19·33	81·0	50·20	80·6	.0290	.7912	19.10.6	C	4 12 „
1	20·659	19.27	80·5	50.16	80·3	.0281	.7908	19.13.5	K	5 12 „
2	19.904	19.13	79.8	50.20	79.9	.0257	.7912	19.11.0	K	6 12 „
3	20.522	19.00	79.0	50.58	79.4	.0236	.7954	19.13.0	K	7 12 „
4	20.728	18.98	78.7	50·65	79.0	.0232	.7962	19.13.3	K	8 12 „
5	20.865	18.97	78.0	50·54	78.6	.0231	.7949	19.12.9	L	9 12 „
6	20.865	18.96	77.8	50.57	78.4	.0229	.7953	19.13.1	L	10 12 „
7	20·865	18.97	77·6	50·63	78.2	.0231	.7959	19.13.3	L	11 12 „
8	20.728	18.93	77.0	50.64	77.9	.0224	.7960	19.13.4	L	Midnight.
9	21.071	19.06	76.6	50.70	77.2	.0246	.7967	19.14.3	C	1 12 a. m.
10	21.071	18.88	76.0	50.73	77.1	·0216	.7970	19.13.8	C	2 12 „
11	21.208	18.94	75.9	49.08	76.9	.0226	.7789	19.06.6	C	3 12 „

On the 31st, at about 18h. 30m., Dip as obtained by Observation was 18°59'7.

DAILY OBSERVATIONS FROM 2ND TO 4TH FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
FEB. 2ND—12	20°865	18.83	75°4	50.60	76°7	8·0208	2.7956	19°13′5	C	4 12 a. m.
13	20.328	18·95	75.2	50.54	76.4	.0227	.7949	19.12·9	K	5 12 „
14	20.385	18.99	74.9	50.63	76.1	·0234	·7959	19.13·3	K	6 12 „
15	20.042	18.97	74.5	51.47	75.5	.0231	.8052	19.16·9	K	7 12 „
16	20·590	19.33	74.8	51.62	75·5	.0290	.8068	19.16.7	K	8 12 „
17	21.002	19.68	76.0	51.44	75.9	.0347	.8048	19.15.2	L	9 12 „
18	21.276	20·30	78.3	50.96	77.0	.0449	.7996	19.11·8	L	10 12 „
19	19.767	20.64	80.0	50.39	78·0	.0505	.7933	19.08.4	L	11 12 „
20	18.189	20.62	81.1	50.51	78·6	.0501	.7946	19.09.3	L	Noon.
21	18·189	20.41	81.9	50.79	79.8	.0468	.7975	19.10.7	C	1 12 p. m.
22	19.287	20.20	82.2	50.87	80.3	.0436	.7986	19.11.6	C	2 12 „
23	19.973	20.01	82.3	50.91	81.0	.0402	.7990	19·12.3	C	3 12 „
FEB. 3RD—Noon.	20.590	19.89	81·9	50.91	81.0	·0382	.7990	19.12.6	C	4 12 „
1	20.247	19.57	81.1	50.80	80.6	.0330	.7978	19.12.7	K	5 12 „
2	19.769	19.50	80.2	50.90	80.0	.0318	.7989	19.13.2	K	6 12 „
3	20·247	19.36	79.7	50.91	79.5	.0295	.7990	19.13.6	K	7 12 „
4	20.453	19·48	79.4	50.94	79.3	.0315	.7993	19.13.4	K	8 12 „
5	20.385	19.55	78.9	50.90	79·0	.0326	.7989	19.13.1	B	9 12 „
6	20.385	19.13	78.4	50.95	78.9	.0257	.7995	19.14.3	B	10 12 „
7	20.385	19.16	78.3	51.01	78.8	.0262	.8001	19.14.5	B	11 12 „
8	20.728	19·13	77·9	51.06	78.5	.0257	.8007	19.14.8	B	Midnight.
9	20.590	19.12	77.4	51.07	78.2	.0255	.8008	19.14.8	C	1 12 a. m.
10	21.002	19.08	77·4	51.11	78.0	.0249	.8012	19.15.0	C	2 12 „
11	21·208	18.89	76.9	51.07	77.8	.0218	.8008	19.15.3	C	3 12 „
12	20.933	19.05	76.1	51.03	77.3	.0244	.8003	19.14·9	C	4 12 „
13	20.453	19.11	76.1	51.06	77.0	.0254	.8007	19.14.9	K	5 12 „
14	20·179	19·26	76.0	51.08	76.7	.0279	.8009	19.14.6	K	6 12 „
15	20.453	19.56	76.0	51.38	76.5	.0328	.8042	19.15.2	K	7 12 „
16	22.305	19.49	76.9	51.40	76.8	.0317	.8044	19.15.4	K	8 12 „
17	22.854	19.87	78.3	51.11	77·5	.0379	.8012	19.13.4	B	9 12 „
18	22.512	20.14	79.6	50.60	78.3	.0423	·7956	19.10.7	B	10 12 „
19	21.208	20.42	81.2	50.00	79.6	.0469	.7890	19.07.5	B	11 12 „
20	19.767	20.52	82.3	50.03	80.4	.0485	.7893	19.07.3	B	Noon.
21	19·630	20.48	83.4	50.16	81.3	.0479	·7908	19.08.1	C	1 12 p. m.
92	20.042	20.18	84.0	50.24	82.4	.0429	.7916	19.09.0	C	2 12 „
23	20.933	19.97	84.3	50.31	83.0	.0395	.7924	19.09.7	C	3 12 „
FEB. 4TH—Noon.	20·247	19.82	84.2	50.22	83.3	.0370	.7914	19.09.7	C	4 12 „
1	19.904	19·83	85.5	50.24	83.0	.0372	.7716	19.09.8	B	5 12 „
2	19.493	19.45	82.4	50.33	82.5	.0310	·7926	19.11.0	B	6 12 „
3	20.247	19.22	81.8	50·64	81.9	.0272	.7960	19.12.8	B	7 12 „
4	20.453	19.11	81.0	50.65	81.6	.0257	.7962	19.12.9	B	8 12 „
5	20·590	19·03	80.6	50.69	81.3	·0241	.7966	19.13.4	K	9 12 „
6	20.590	19.15	80.5	50.73	81.0	.0260	.7970	19.13.3	K	10 12 „
7	20.796	19.13	80.2	50.84	80.8	.0257	.7982	19.13.7	K	11 12 „
8	20.796	19.17	80.0	50.91	80.4	.0264	.7990	19.14.1	K	Midnight.
9	21.071	19.13	80.0	50.98	80.2	.0257	.7998	19.14·4	C	1 12 a. m.
10	20.796	19.35	79.6	50.80	80.0	.0293	.7978	19.13.2	C	2 12 „
11	20.728	19.27	79.0	50.85	79.9	.0281	.7982	19.13.6	C	3 12 „
12	20.659	19.14	78.3	50.70	79.3	.0259	.7967	19.13.2	C	4 12 „
13	20.385	19.10	78.1	50.80	79.2	.0252	.7978	19.13.7	B	5 12 „
14	20.179	19.14	78.0	50.92	79.0	.0259	.7991	19.14.1	B	6 12 „
15	19·973	19.12	77·8	50.78	78.6	.0255	.7976	19.13.5	B	7 12 „
16	21.071	19.25	78.1	50.93	78.6	.0277	.7992	19·13.9	B	8 12 „
17	21.482	19.72	79·4	50.80	79.2	.0354	·7978	19.12.4	K	9 12 „
18	21.551	20.19	81.0	50.31	79.8	.0431	.7924	19.09.3	K	10 12 „
19	20.042	20.42	82.4	49.82	80·6	.0469	·7870	19.06.7	K	11 12 „
20	19.836	20.40	83.6	49·68	82.0	.0466	·7855	19.06.2	K	Noon.
21	19.973	20.21	84.9	49.82	83.3	·0435	.7870	19.07.1	C	1 12 p. m.
22	20.385	20.03	85.9	49.99	84.5	.0405	.7889	19.08.2	C	2 12 „
23	20.247	19.97	86.3	50.04	84.5	.0395	.7894	19.08.5	C	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°13′4.
On the 4th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH FEBRUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Feb. 6th-Noon.	20°247	19.63	83°9	50.20	83°5	8.0339	2.7912	19°10'0	B	4 12 p. m.
1	20 247	19.50	83.0	50.39	83.0	.0318	.7933	19 11.1	B	5 12 „
2	19.630	19.41	82.2	50.57	82.4	.0304	.7953	19.12.2	B	6 12 „
3	20.316	19.22	81.5	50·66	82.1	.0272	.7963	19.12.9	B	7 12 „
4	20.659	18.95	81.1	50.69	81.7	.0227	.7966	19.13.5	K	8 12 „
5	20.522	19.37	80.8	50.69	81.5	·0297	.7966	19·12.6	K	9 12 „
6	20.316	19.13	80.4	50.72	81.2	·0257	.7969	19.13.2	K	10 12 „
7	20.522	19.14	80.0	50.76	80.8	.0259	.7974	19.13.4	K	11 12 „
8	20.463	19.51	79.9	51.02	80.5	.0320	.8002	19.13.7	C	Midnight.
9	20·522	19.34	79.5	51.02	80.1	·0292	·8002	19·14.1	C	1 12 a. m.
10	20.522	19.52	79.0	50.85	79.9	.0321	.7984	19.13.0	C	2 12 „
11	20.179	19.13	78.9	50.89	79.8	.0257	.7988	19.14.0	C	3 12 „
12	19.836	19.20	78.5	50.93	79.3	.0269	.7992	19.14.0	B	4 12 „
13	19.630	19.09	78.0	50.92	79.1	.0251	.7991	19.14.2	B	5 12 „
14	19.973	19.13	77.6	50.94	78.7	.0257	.7993	19.14.2	B	6 12 „
15	19.973	19.14	77.5	51.21	78.5	.0259	.8023	19.15.4	B	7 12 „
16	20.796	19.36	77.7	51.33	78.4	.0295	.8036	19.15.4	L	8 12 „
17	22.581	19.87	77.9	51.34	78.7	.0379	.8037	19.13.9	L	9 12 „
18	23.404	19.99	78.4	51.22	79.0	.0398	.8024	19.13.6	L	10 12 „
19	22.581	20.18	79·6	50·82	79.0	.0429	.7980	19·11.5	L	11 12 „
20	20.385	20.28	80.5	50.55	80.0	.0446	.7951	19.10.1	C	Noon.
21	20.179	20.19	80.9	50.78	80.4	.0431	.7976	19.11.3	C	1 12 p. m.
22	20.522	19.85	81.0	50.92	80.7	.0375	.7991	19·12.6	C	2 12 „
23	20.078	19.59	81.4	50.81	81.0	·0333	.7979	19.12·7	C	3 12 „
Feb. 7th-Noon.	20.522	19.36	81.0	50.80	80.9	.0295	.7978	19.13.1	C	4 12 „
1	20.453	19.15	80.1	50.76	80.2	.0260	.7974	19.13.0	G	5 12 „
2	19.631	19.10	79.4	50.79	79.8	.0252	.7977	19.13.7	G	6 12 „
3	20.385	19.05	78.5	50.94	79.2	.0244	.7993	19.14.5	G	7 12 „
4	20.385	19.03	77.0	50.96	78.5	.0241	.7996	19·14.6	G	8 12 „
5	20.316	18.91	77.6	51.07	78.3	.0221	.8008	19.15.3	B	9 12 „
6	20.659	18·99	77.2	51·09	78.0	.0234	.8010	19.15.3	B	10 12 „
7	20·453	18.96	77·0	51.18	77·6	.0229	.8020	19.15.7	B	11 12 „
8	20.453	18.94	76.6	51.12	77.4	.0226	.8013	19.15.4	B	Midnight.
9	20.453	19.05	76.4	51.18	77.1	.0244	.8020	19.15.6	C	1 12 a. m.
10	20.316	19.06	76.0	51.15	76.7	.0246	.8017	19.15.3	C	2 12 „
11	20.110	19.07	75.2	51.21	76.1	·0248	.8023	19·15.5	C	3 12 „
12	19.904	19.10	74·8	51.18	75.9	.0267	.8020	19.15·2	C	4 12 „
13	20.042	19.18	74.4	51.21	75.3	.0265	.8023	19·15.3	G	5 12 „
14	19.973	19.25	74.1	51.27	75.0	.0277	.8030	19.15.5	G	6 12 „
15	19.836	19.31	73.8	51.69	74.8	.0287	.8076	19.17.0	G	7 12 „
16	20.316	19.64	74·5	51.70	75·0	.0341	.8077	19.16.5	G	8 12 „
17	20.933	19.98	75.5	51.54	75.3	.0396	.8059	19·15.0	L	9 12 „
18	21·002	20.35	77.0	51.26	76.0	.0457	.8029	19.13.0	L	10 12 „
19	20.933	20.49	78.1	50.96	76.9	.0481	.7991	19.12.3	L	11 12 „
20	20.316	20.56	78.9	50·67	77·3	.0492	.7964	19.10.0	L	Noon.
21	19.836	20.54	79.4	50.64	78.0	.0489	.7960	19.09.9	C	1 12 p. m.
22	19.836	20.21	80.0	50.76	78.8	.0435	.7964	19.11.1	C	2 12 „
23	20.385	20.09	80.2	50.82	79·0	.0415	.7980	19.11.6	C	3 12 „
Feb. 8th-Noon.	20.453	19·67	80.0	50.83	79.3	.0346	.7981	19.12.5	C	4 12 „
1	20.385	19.31	79.5	50.76	79·2	.0287	.7974	19.13.9	G	5 12 „
2	20.110	18.85	78.8	50.96	78.5	·0211	.7996	19.15.0	G	6 12 „
3	20.453	18.98	78.4	51.06	78·0	.0232	.8007	19.15.2	G	7 12 „
4	20.385	19.00	77.8	51.13	77·5	.0236	.8014	19.15.3	G	8 12 „
5	20.590	19.00	77.3	51.08	77·5	.0236	·8009	19.15.1	B	9 12 „
6	20.522	18.85	77·0	51.12	77.3	.0211	.8013	19.15.7	B	10 12 „
7	20.522	18.82	76.5	51.21	77.0	.0206	.8023	19.16.1	B	11 12 „
8	20.590	18.99	76.0	51.28	76·5	.0234	.8031	19.16.1	B	Midnight.
9	20·522	18.88	75.8	51.13	76.4	.0216	.8014	19.15.5	C	1 12 a. m.
10	20.316	19.05	75.1	51.32	76.0	.0244	.8035	19·16.2	C	2 12 „
11	20.659	19.02	74.6	51.73	75.9	.0239	.8080	19.17.9	C	3 12 „

On the 7th, at about 19h., Dip as obtained by Observation was 18°56'9.

DAILY OBSERVATIONS FROM 8TH TO 10TH FEBRUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.	'							° '		h. m.
Feb. 8th—12	20·179	19.13	74·5	52.48	75·4	8.0257	2.8163	19°20·8	C	4 12 a.m.
13	20.522	19.44	74.5	52.56	75.3	.0309	.8172	19.20.5	G	5 12 „
14	20.110	19.39	74·4	52.66	75.2	.0300	.8183	19.21.1	G	6 12 „
15	20.522	19.43	74.2	52.78	74.9	.0307	.8196	19.21.5	G	7 12 „
16	22.581	19.63	74.8	52.75	75.0	.0339	.8193	19.21.0	G	8 12 „
17	22.781	20.07	76.3	52·67	75·8	.0412	.8184	19.19.7	L	9 12 „
18	23.060	20.58	77.9	52.29	76.4	.0495	.8142	19.16·9	L	10 12 „
19	21.482	20.91	79.0	51.74	77.2	.0549	.8081	19.13.8	L	11 12 „
20	20.453	20.97	79.5	51.74	78.0	.0559	.8081	19.13.7	L	Noon.
21	20.522	20.73	80.0	51.96	78.7	.0520	.8106	19·15.2	C	1 12 p.m.
22	20.316	20.49	80.3	52.05	79·0	.0481	.8116	19.16.2	C	2 12 „
23	20.728	20.02	80.4	52.14	79.3	.0403	.8125	19.17.6	C	3 12 „
Feb. 9th-Noon.	20.728	19·87	80.0	52.05	79.5	.0379	·8116	19.17.5	C	4 12 „
1	20.590	19.74	79.1	52.05	79.0	.0358	.8116	19.17.7	K	5 12 „
2	20·796	18·94	77.8	52.10	78.4	.0226	.8121	19.17.6	K	6 12 „
3	21.826	18.39	77.2	52.44	77.9	.0136	·8158	19.22.3	K	7 12 „
4	21.963	17.87	76.8	52.47	77.5	.0051	.8162	19.23·4	B	8 12 „
5	22.101	17.60	76.5	52·44	77.3	.0006	.8158	19.24.0	B	9 12 „
6	22.305	17.55	76.4	52.64	77.2	.0998	.8180	19.24.9	B	10 12 „
7	23.335	17.39	76.2	52.60	76·8	.0972	.8176	19.25.0	B	11 12 „
8	23.473	17.21	75.8	52.65	76.5	.0943	.8182	19.25.7	B	Midnight.
9	22.101	17.57	75.3	52.48	76.0	.0002	.8163	19.24.2	C	1 12 a.m.
10	21·963	17.67	75·0	52.57	75.7	.0018	·8173	19.24.3	C	2 12 „
11	21.276	17.92	74.8	52.66	75.4	.0058	.8183	19.24.2	C	3 12 „
12	20.728	17.91	74.4	52.70	75.0	.0057	.8187	19.24.4	C	4 12 „
13	19.424	17.82	73·8	52.69	74.6	.0042	.8186	19.24.6	B	5 12 „
14	16.680	18.51	73.5	52.48	74.3	.0156	.8163	19.22.1	B	6 12 „
15	19.836	18.21	73.4	53·39	74.0	.0107	.8263	19.26.7	B	7 12 „
16	20.522	18.24	73.7	53.27	74.0	.0112	.8250	19.26.3	B	8 12 „
17	21.551	18.69	75.4	52·98	74.8	.0185	.8218	19.23.9	K	9 12 „
18	22.032	18·74	76.6	52.66	75.4	.0194	.8183	19.22.5	K	10 12 „
19	21.071	19.43	78.0	52.08	76.5	.0307	.8119	19.18.5	K	11 12 „
20	21·688	19.15	78.5	52·22	77.2	.0263	.8134	19.19.7	K	Noon.
21	21.619	19.11	79.0	52.17	78.0	.0254	.8129	19·19.6	C	1 12 p.m.
22	21.345	18.71	79.7	51.96	78·9	.0189	.8106	19.20.5	C	2 12 „
23	21.208	18.56	79.9	52.08	79.3	·0164	.8119	19.20.4	C	3 12 „
Feb. 10th-Noon.	21.551	18.34	79·8	52.23	79.4	.0128	.8135	19.21.5	C	4 12 „
1	22.444	18.30	79.1	52.31	79.0	.0121	.8144	19.21.9	K	5 12 „
2	21.482	18.23	78·2	52.26	78.6	.0110	.8139	19.21.9	K	6 12 „
3	21.826	18.09	77.5	52.47	78.1	.0087	.8162	19.22.9	B	7 12 „
4	22.101	18.10	77·0	52.52	77.7	.0088	·8167	19.23.2	B	8 12 „
5	21.963	18.20	76.8	52.51	77.5	.0105	.8166	19.22.9	B	9 12 „
6	21.482	18.07	76·7	52.54	77.2	·0084	.8169	19.23.4	B	10 12 „
7	22.374	18.65	75.7	52.53	76.7	.0178	.8174	19.22.3	K	11 12 „
8	21.963	18.30	75.0	52.64	76.2	.0121	.8180	19.23.3	K	Midnight.
9	21.415	18.13	74.5	52.59	75.8	.0093	.8175	19.23.5	C	1 12 a.m.
10	21.415	18.23	74.2	52.72	75.3	.0110	.8188	19.23.8	C	2 12 „
11	21.002	18.28	74.1	52.70	75.0	.0118	.8187	19.23.6	C	3 12 „
12	20.728	18.14	74.0	52.69	74.9	.0095	.8186	19.23·8	C	4 12 „
13	20.522	18.17	73.3	52.76	74.5	.0100	.8194	19.24.1	B	5 12 „
14	20.590	18.33	72.6	52.89	74.0	.0126	.8208	19.24.3	B	6 12 „
15	20.522	18.44	72.2	53.03	73·6	.0145	.8223	19·24.6	B	7 12 „
16	21.139	18·77	72.7	52.36	73.6	.0199	.8150	19.21.2	B	8 12 „
17	22·581	19.03	74.7	53.16	74.0	.0241	.8238	19·25.1	K	9 12 „
18	22.649	19·27	76.0	52·66	75·2	.0281	.8183	19·21.4	K	10 12 „
19	21·276	19.58	77·8	52.21	76.3	.0331	.8133	19.20.8	K	11 12 „
20	20.316	19.72	79.4	52.07	77.6	.0354	.8118	19.19.9	K	Noon.
21	20.247	19·59	80·5	51.94	79.0	.0333	.8103	19.19.6	C	1 12 p.m.
22	20.110	19.50	81.2	51.87	79.8	.0318	.8096	19.18.4	C	2 12 „
23	19.973	19.30	81.3	52.06	80.2	.0285	.8117	19.18.7	C	3 12 „

On the 10th, at about 18h. 20m., Dip as obtained by Observation was 19°06'2.

DAILY OBSERVATIONS FROM 11TH TO 14TH FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.	° ′							° ′		h. m.
FEB. 11TH-Noon.	20 0·42	18.92	81·0	51.98	80·3	8.0222	2.8108	19 19·2	C	4 12 p. m.
1	20.590	18.85	80.0	52.00	80.0	.0211	.8110	19.19.5	K	5 12 „
2	20.728	18.85	79.0	52.18	79.4	.0211	.8130	19.20.3	K	6 12 „
3	21.619	18.60	78.2	52.03	79.0	.0170	·8113	19.20.1	B	7 12 „
4	22.168	18.47	77.9	52.06	78.5	.0150	.8117	19.20.5	B	8 12 „
5	21.415	18.51	77.1	52.03	78.2	.0156	.8113	19.20.2	B	9 12 „
6	21.963	18.52	76.5	52.13	77.5	.0157	.8124	19.20.6	B	10 12 „
7	21.415	18.61	75.8	52.23	77.0	.0172	.8135	19.21.0	K	11 12 „
8	21.619	18.66	75.5	52.30	76.5	.0180	.8143	19.21.2	K	Midnight.
9	21.483	18.51	75.0	52.42	76.0	.0156	.8156	19.21.8	C	1 12 a. m.
10	21.276	18.66	74.8	52.33	75.9	.0180	.8146	19.21.3	C	2 12 „
11	20.728	18.60	74.3	52.47	75.3	.0170	.8162	19.21.9	C	3 12 „
12	20.522	18.61	73.5	52.35	75.0	.0172	.8149	19.21.5	C	4 12 „
13	20.522	18.62	73.0	52.26	74.5	.0173	.8139	19.21.1	B	5 12 „
14	20.316	18.83	72.8	52.31	74.0	.0208	.8144	19.20.8	B	6 12 „
15	21.002	18.91	72.7	51.41	78.5	.0221	.8045	19.16.8	B	7 12 „
16	21.826	19.15	72.9	52.63	73.5	.0260	.8179	19.21.4	B	8 12 „
17	23.540	19.54	74.2	52.68	74.5	.0325	.8185	19.20.8	K	9 12 „
18	23.884	19.97	76.2	52.12	75.5	.0395	.8123	19.17·5	K	10 12 „
19	22.854	20.31	78.8	51.71	77.0	.0451	.8078	19.15.0	K	11 12 „
20	21.758	20.24	80.1	51.47	78.2	.0440	.8052	19.14.2	K	Noon.
21	21688.	19.91	80.6	51.37	79.0	.0385	.8041	19.15.4	C	1 12 p. m.
22	20.865	19.73	80.6	51.34	79.6	.0356	.8037	19.14.7	C	2 12 „
23	20.385	19.54	80.5	51.50	79.9	.0325	.8055	19.15.8	C	3 12 „
FEB. 13TH-Noon.	20.385	19.80	80.4	51.61	79.6	.0367	.8067	19.15.7	C	4 12 „
1	20.316	19.61	79.5	51.76	79.2	.0336	.8084	19.16.7	B	5 12 „
2	20.569	19.38	78.6	51.96	78.5	.0298	.8106	19.18.1	B	6 12 „
3	21.276	19.23	78.2	52.15	78.2	.0274	.8127	19.19.3	B	7 12 „
4	21.276	19.14	78.0	52.45	77.7	.0259	.8160	19.20.7	B	8 12 „
5	20.933	19.08	77.5	52.45	77.5	.0249	.8160	19.20.8	B	9 12 „
6	20.865	19.12	77.2	52.46	77.3	.0255	.8161	19.20.7	B	10 12 „
7	21.139	19.09	76.6	52.48	76.8	.0251	.8163	19.20.9	K	11 12 „
8	21.071	19.07	75.9	52.61	76.3	.0248	.8177	19.21.5	K	Midnight.
9	21.483	19.10	75.2	52.75	76.0	.0252	.8193	19.22.1	C	1 12 a. m.
10	21.276	18.98	74.6	53.25	75.6	.0393	.8248	19.24.6	C	2 12 „
11	21.483	19.01	74.2	52.35	75.1	.0238	.8149	19.20.6	C	3 12 „
12	20.728	19.06	73.9	52.34	74.9	.0244	.8147	19.20.6	C	4 12 „
13	20.453	19.07	73.3	53.56	74.5	·0248	.8282	19.25.5	B	5 12 „
14	20.385	19.09	73.0	53.38	74.4	.0251	.8262	19.24.7	B	6 12 „
15	20.590	19.20	73.5	53.54	74.2	.0269	.8279	19.25.2	B	7 12 „
16	21.315	19.60	74.6	53.56	74.6	.0334	.8282	19.24.5	B	8 12 „
17	22.305	20.05	76.1	53.36	75.4	.0408	.8260	19.22.7	K	9 12 „
18	22.444	20.35	78.0	53.15	76.5	.0457	.8237	19.21.2	K	10 12 „
19	21.688	20.61	80.0	52.63	78.2	.0500	.8179	19.18.3	K	11 12 „
20	21.002	20.57	82·6	52.31	80.2	.0494	.8144	19.17.1	K	Noon.
21	20.659	20.18	84.0	52.09	81.3	.0429	.8120	19.17.0	C	1 12 p. m.
22	20.728	20.00	84.5	51.99	82.1	.0400	.8109	19.16.9	C	2 12 „
23	20.590	19.83	84.7	51.97	82.9	.0372	.8107	19.17·3	C	3 12 „
FEB. 14TH-Noon.	20.316	19.65	84.7	52.03	83.0	.0342	.8113	19.17.9	C	4 12 „
1	20.522	19.43	83.8	52.18	82.5	.0307	.8130	19.18.6	K	5 12 „
2	20.590	19.15	81.8	52.35	81.5	.0260	.8149	19.20.3	K	6 12 „
3	20.933	19.14	80.8	52.48	80.7	.0259	.8163	19.20.8	B	7 12 „
4	20.933	19.19	80.4	52.56	80.4	·0267	.8172	19.21.0	B	8 12 „
5	20.796	19.14	80.0	52.60	80.1	.0259	.8176	19.21.3	B	9 12 „
6	20.933	19.11	79.2	52.59	79.8	.0254	.8175	19.21.4	B	10 12 „
7	20.865	19.22	79.0	52.59	79.8	.0272	.8175	19.21.2	K	11 12 „
8	20.865	19.36	78.8	52.62	79.4	.0295	.8178	19.22.9	K	Midnight.
9	21.002	19.34	78.3	52.75	78.9	.0292	.8193	19.21.6	C	1 12 a. m.
10	20.522	19.35	78.5	52.82	79.0	.0293	.8200	19.22.9	C	2 12 „
11	20.590	19.42	78.2	52.78	78.7	.0305	.8193	19.21.5	C	3 12 „

On the 11th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 14TH TO 16TH FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
FEB. 14TH—12	20·728	19.41	78°0	52.83	78°3	8.0304	2.8201	19°21'8	C	4 12 a. m.
13	19.973	19.47	77.9	52.87	78.3	.0314	.8206	19.21.9	B	5 12 „
14	19.973	20.38	77.9	52.90	78.2	·0462	.8209	19.20.0	B	6 12 „
15	20.179	19.56	77.8	52.94	78·0	.0328	.8213	19.21.9	B	7 12 „
16	21.071	19.90	78.4	53.13	78.2	.0383	.8234	19.22.1	B	8 12 „
17	21.758	20.24	79.4	53.12	78.5	.0440	·8233	19.21.3	K	9 12 „
18	22.854	20.34	81.0	52.89	79.5	.0456	.8208	19.20.0	K	10 12 „
19	22.101	20.74	82.9	52.16	81.4	.0522	.8128	19.16.1	K	11 12 „
20	21.415	20.80	85.0	52.09	83.0	.0531	·8120	19.15.7	K	Noon.
21	21.208	20·74	86.9	52.10	84.9	.0522	.8121	19.15.8	C	1 12 p. m.
22	20.796	20.62	88.6	51.97	86.0	.0501	.8107	19.15.6	C	2 12 „
23	20.522	20.28	88.0	51.90	86.0	·0446	.8099	19.15.8	C	3 12 „
FEB. 15TH-Noon.	20.247	19.99	87.0	51.87	85.9	.0398	.8096	19.16.4	C	4 12 „
1	20.453	19.88	86.2	51.87	85.5	.0380	.8096	19 16.7	K	5 12 „
2	20.179	19.64	85.0	52.13	84.2	.0341	.8126	19.18.4	K	6 12 „
3	21.071	19.31	83·0	52.39	83.0	.0287	.8153	19.20.1	B	7 12 „
4	21.385	19.22	82.4	52.51	83.5	.0272	.8166	19.20.8	B	8 12 „
5	20.659	19.16	81.9	52.47	82·3	.0262	.8162	19.20.7	B	9 12 „
6	21.276	18.94	81.2	52.51	82.0	.0226	.8166	19.21.3	B	10 12 „
7	21.482	18·91	81.0	52.50	81.5	.0221	.8165	19.21.4	K	11 12 „
8	21.826	18.90	80.5	52.09	81.3	.0219	.8120	19.19.7	K	Midnight.
9	21.276	19.07	80.3	52.03	81.0	.0248	.8113	19.19.0	C	1 12 a. m.
10	21.415	19.16	80.0	52.16	80.5	.0262	.8128	19.19.5	C	2 12 „
11	20.316	19.60	80.4	52.21	80.3	.0334	.8133	19.18.8	C	3 12 „
12	20.042	19.34	80.0	52.20	80.0	.0292	·8132	19·19·2	C	4 12 „
13	20.179	19.31	79.6	52.20	80.0	·0287	.8132	19.19.2	B	5 12 „
14	20.042	19.31	79.2	52.27	79.6	.0287	.8140	19.19.6	B	6 12 „
15	20.590	19.55	79.2	52·37	79·6	.0326	.8151	19.19·5	B	7 12 „
16	21·619	19.84	79.6	52.44	79.6	.0374	·8158	19.19.3	B	8 12 „
17	21.758	20.29	81.0	52.41	80.2	·0448	.8155	19·18.1	K	9 12 „
18	21.619	20.79	82.5	51.98	81.0	.0530	.8108	19.15.2	K	10 12 „
19	20·865	20.78	83.7	51.77	82.2	.0528	.8085	19.14.3	K	11 12 „
20	20.590	20.79	85.4	51.74	83.2	.0530	.8081	19.14.1	K	Noon.
21	20.522	20.50	86.0	51.82	84.1	.0482	.8090	19.15.2	C	1 12 p. m.
22	21.139	20.12	86.5	51.82	84.6	.0419	.8090	19·15·1	C	2 12 „
23	20.728	20.01	86.8	51·65	85·0	.0402	.8072	19·15.4	C	3 12 „
FEB. 16TH-Noon.	20.385	19·89	86.5	51.53	85.2	.0382	.8058	19.15.3	C	4 12 „
1	20.110	19.72	85·6	51.55	85.0	.0354	.8061	19.15.6	L	5 12 „
2	20.179	19.53	84.8	51.78	84.5	.0323	.8086	19.17.0	K	6 12 „
3	20.933	19.15	83.9	51.82	84.0	.0260	.8090	19.18.0	B	7 12 „
4	21.276	18.94	83.3	52.17	85·5	.0226	.8129	19.19.9	B	8 12 „
5	21.415	18.85	83.0	52.09	83.0	.0211	.8120	19.19.9	B	9 12 „
6	20.590	19·15	82·7	52.13	82.6	·0260	.8124	19.19·3	B	10 12 „
7	20.522	19.35	82.5	52.23	82·5	.0293	.8135	19.19.4	K	11 12 „
8	20.590	19.24	82·0	52·24	82.0	·0276	.8136	19.19.6	K	Midnight.
9	20.453	19.43	81.5	42.21	81.7	.0307	.8133	19.19·1	C	1 12 a. m.
10	20.728	19.33	81.2	52.34	81·6	.0291	.8147	19.19.8	C	2 12 „
11	20.590	19.48	80.9	52.28	81.1	.0315	.8141	19.19.2	C	3 12 „
12	20.247	19.56	80.6	52.23	81.0	.0328	.8135	19.18.9	C	4 12 „
13	20.179	19.59	79.9	52·12	80.5	.0333	.8123	19.18.5	B	5 12 „
14	19.767	19·69	79.5	52.25	80.0	.0349	.8138	19.18.7	B	6 12 „
15	20.110	19.73	79.5	52.31	79.7	.0356	·8144	19.18.8	B	7 12 „
16	20.522	20.05	80.3	52.26	80.0	.0408	·8139	19.18.0	B	8 12 „
17	20.865	20.43	81.0	52.21	80.2	.0471	.8133	19.17.0	K	9 12 „
18	21.139	20·74	82.3	52.27	81.0	.0522	.8140	19.16.6	K	10 12 „
19	20.933	20.79	83.5	51.98	82.0	.0530	·8108	19.15.2	K	11 12 „
25	20.659	20.45	84.4	52.08	82.8	.0474	.8119	19.16.4	K	Noon.
21	20.522	20.37	85·5	52.10	83.3	.0461	.8121	19·16.6	C	1 12 p. m.
22	20.453	19.99	85.6	52.09	84.0	.0398	.8120	19.17.4	C	2 12 „
23	20.453	19.74	85.5	52.07	84.1	.0358	.8118	19.17.8	C	3 12 „

On the 14th, at about 18h. 45m., Dip as obtained by Observation was 19°02'5.

DAILY OBSERVATIONS FROM 17TH TO 20TH FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
FEB. 17TH-Noon.	20'590	19.45	85°0	52.07	84°0	8.0310	2.8118	19°18'5	C	4 12 p. m.
1	20.110	19.35	84.0	52.05	83.8	.0293	.8116	19.18.6	K	5 12 „
2	20.453	19.32	82.7	52.11	83.0	.0288	.8122	19.18.8	K	6 12 „
3	21.139	19.07	81.9	52.37	82.2	.0248	.8151	19.20.5	B	7 12 „
4	21.482	18.93	81.3	52.45	81.6	.0224	.8160	19.21.2	B	8 12 „
5	21.415	18.95	80.0	52.40	81.5	.0227	.8154	19.20.9	B	9 12 „
6	21.002	19.21	80.7	52.44	81.3	.0271	.8158	19.20.6	B	10 12 „
7	21.071	19.27	80.6	52.46	81.2	.0281	.8161	19.20.5	K	11 12 „
8	20.728	19.24	80.5	52.48	81.0	.0276	.8163	19.20.6	K	Midnight.
9	21.139	19.34	80.4	52.55	81.0	.0292	.8171	19.20.7	C	1 12 a. m.
10	20.865	19.20	80.0	52.22	80.7	.0269	.8134	19.19.6	C	2 12 „
11	20.865	19.28	79.9	52.25	80.4	.0282	.8138	19.19.7	C	3 12 „
12	20.590	19.21	79.7	52.25	80.0	.0271	.8138	19.19.5	C	4 12 „
13	20.522	19.24	78.9	52.28	79.6	.0276	.8141	19.19.8	B	5 12 „
14	19.836	19.32	78.5	52.35	79.5	.0288	.8149	19.19.9	B	6 12 „
15	20.865	19.17	77.7	52.47	78.9	.0264	.8162	19.20.7	B	7 12 „
16	21.482	19.39	78.2	52.42	78.9	.0300	.8156	19.20.1	B	8 12 „
17	21.345	19.91	79.5	52.34	79.5	.0385	.8147	19.18.6	K	9 12 „
18	21.139	20.42	81.2	52.15	80.0	.0469	.8127	19.16.8	K	10 12 „
19	20.247	20.59	82.0	52.02	80.7	.0497	.8112	19.15.7	K	11 12 „
20	19.081	20.63	82.7	51.93	81.5	.0503	.8102	19.15.3	K	Noon.
21	19.356	20.19	83.0	52.11	82.0	.0481	.8122	19.16.4	C	1 12 p. m.
22	19.699	20.05	83.9	52.04	82.9	.0408	.8114	19.17.0	C	2 12 „
23	20.385	19.86	84.1	51.96	83.6	.0377	.8106	19.17.1	C	3 12 „
FEB. 18TH-Noon.	21.072	19.61	83.9	52.00	83.6	.0336	.8111	19.17.8	C	4 12 „
1	21.208	19.13	82.6	52.18	82.8	.0257	.8130	19.19.6	K	5 12 „
2	20.453	19.12	81.5	52.24	82.0	.0255	.8136	19.19.8	K	6 12 „
3	20.179	19.26	80.9	52.34	81.4	.0279	.8147	19.20.1	B	7 12 „
4	20.385	19.27	80.4	52.47	81.1	.0281	.8161	19.20.3	B	8 12 „
5	20.316	19.20	80.2	52.44	80.6	.0269	.8158	19.20.5	B	9 12 „
6	20.179	19.27	80.1	52.52	80.3	.0281	.8167	19.20.8	B	10 12 „
7	20.728	19.31	79.9	52.51	80.3	.0287	.8166	19.20.5	K	11 12 „
8	20.728	19.36	79.7	52.55	80.0	.0295	.8171	19.20.6	K	Midnight.
9	20.659	19.32	79.4	52.60	79.9	.0288	.8176	19.20.9	C	1 12 a. m.
10	20.865	19.20	78.8	52.64	79.5	.0269	.8180	19.21.4	C	2 12 „
11	20.933	19.28	78.3	52.60	79.1	.0282	.8176	19.21.1	C	3 12 „
12	20.865	19.21	78.0	52.66	78.9	.0271	.8183	19.21.5	C	4 12 „
13	20.590	19.13	77.6	52.76	78.5	.0257	.8194	19.22.0	B	5 12 „
14	20.933	19.22	77.2	52.81	78.0	.0272	.8199	19.22.2	B	6 12 „
15	21.276	19.33	77.2	52.93	77.8	.0290	.8212	19.22.6	B	7 12 „
16	22.237	19.69	77.7	52.79	77.9	.0349	.8197	19.21.0	B	8 12 „
17	22.718	20.28	78.8	52.45	78.4	.0446	.8160	19.18.2	C	9 12 „
18	21.895	20.66	80.2	52.13	77.1	.0508	.8124	19.16.1	C	10 12 „
19	20.659	20.93	81.7	52.00	80.0	.0552	.8110	19.15.0	K	11 12 „
20	19.493	20.82	82.4	52.06	80.4	.0534	.8117	19.15.6	K	Noon.
21	19.699	20.50	82.6	52.28	81.0	.0482	.8141	19.17.2	K	1 12 p. m.
22	20.522	20.25	83.0	52.35	81.6	.0441	.8249	19.18 0	K	2 12 „
23	21.071	19.84	82.9	52.31	82.0	.0374	.8144	19.18.7	C	3 12 „
FEB. 20TH-Noon.	20.590	20.00	82.5	52.21	82.5	.0400	.8133	19.17.9	B	4 12 „
1	20.728	19.76	81.6	52.10	82.0	.0361	.8121	19.17.9	B	5 12 „
2	19.904	19.59	80.6	52.17	81.5	.0333	.8129	19.18.6	B	6 12 „
3	20.522	19.34	80.0	52.07	80.6	.0292	.8118	19.18.8	B	7 12 „
4	20.522	19.25	79.7	52.11	80.4	.0277	.8122	19.19.0	B	8 12 „
5	20.728	19.14	79.4	52.08	80.0	.0259	.8119	19.19.1	K	9 12 „
6	20.522	19.35	79.2	51.99	79.8	.0293	.8109	19.19.3	K	10 12 „
7	20.590	19.40	79.0	52.24	79.6	.0302	.8136	19.19.3	K	11 12 „
8	20.796	19.33	79.0	52.17	79.5	.0290	.8129	19.20.0	K	Midnight.
9	20.590	19.25	78.6	52.19	79.2	.0277	.8131	19.19.4	C	1 12 a. m.
10	20.659	19.22	78.2	52.19	79.0	.0272	.8131	19.19.5	C	2 12 „
11	20.865	19.09	78.0	52.22	78.9	.0251	.8134	19.19.8	C	3 12 „

On the 17th, at about 19h. 15m., Dip as obtained by Observation was 19°00'9.
On the 18th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 20TH TO 22ND FEBRUARY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force, Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
FEB. 20TH—12	20·796	19.24	77°8	52.26	78°6	8.0276	2.8139	19°19'7	C	4 12 a. m.
13	20.453	19.28	77.3	52.54	78.5	.0282	.8169	19.20.8	B	5 12 „
14	20.002	19.30	77.2	52.65	78.2	·0285	.8182	19.21.1	B	6 12 „
15	21.551	19.39	77.5	52.79	78.0	.0300	.8197	19.21.7	B	7 12 „
16	22.923	19.79	78.0	52.69	78.1	.0366	.8186	19.20.3	B	8 12 „
17	22.991	20·24	79.0	52·16	78.5	.0440	.8128	19·17·2	K	9 12 „
18	21.619	20.70	80.2	51.68	79.2	.0515	.8075	19·15.0	K	10 12 „
19	20.042	20.96	80.9	51.39	79.8	.0557	.8043	19.12·3	K	11 12 „
20	18.807	20·97	81.3	51·41	80.4	.0559	.8045	19.12.4	K	Noon.
21	18.944	20.80	81.5	51.77	80.8	.0531	.8085	19.14.3	C	1 12 p. m.
22	19.767	20.49	81.9	51.96	81.2	.0481	.8106	19.15.8	C	2 12 „
23	20.590	20.15	81.7	52.10	81.8	.0424	.8121	19.17.1	C	3 12 „
FEB. 21ST-Noon.	21.276	19.79	81.6	52.15	81.6	.0366	.8127	19.18.1	C	4 12 „
1	20.728	19·58	80.8	51·83	81.0	.0331	.8091	19.17·1	K	5 12 „
2	19.630	19.30	79.8	51.87	80.5	.0285	.8096	19.17.8	K	6 12 „
3	20.247	19.35	79.0	52.17	79.5	.0293	.8129	19.19.1	B	7 12 „
4	20.110	19.48	78.5	52·24	79.5	.0315	.8136	19.18.0	B	8 12 „
5	20.110	19.28	78.5	52.18	79.3	.0282	.8130	19.19.4	B	9 12 „
6	20.042	19.32	78.5	52.25	79.1	.0288	.8131	19.19.2	B	10 12 „
7	20.042	19.39	78.7	52.37	79.0	.0300	.8151	19.19.9	K	11 12 „
8	20.385	19.37	78.2	52.41	78.6	.0297	.8155	19.20.1	K	Midnight.
9	20.522	19·30	78.0	52.41	78.5	.0285	.8155	19.20.2	C	1 12 a. m.
10	20·590	19.28	77.6	52.37	78.1	.0282	.8151	19.20.2	C	2 12 „
11	20.659	19.28	77.4	52.74	78.0	.0282	.8191	19 21.7	C	3 12 „
12	20.865	19.27	77.0	52.73	77.8	.0281	.8190	19.21.7	C	4 12 „
13	20.316	19·30	77·0	52.98	77.5	.0285	.8218	19.22.6	B	5 12 „
14	20.728	19.29	76.7	53.04	77.4	.0284	.8224	19.23.0	B	6 12 „
15	21.551	19.43	76.6	53.05	77.1	.0307	.8226	19.22.7	B	7 12 „
16	22.101	19.87	76.9	52.97	77.2	.0379	.8217	19.21.5	B	8 12 „
17	22.581	20.25	77.5	52.72	77.4	.0441	.8189	19.19.5	K	9 12 „
18	21.139	20.71	78.4	52.03	77.8	.0517	.8113	19.15.5	K	10 12 „
19	18.670	21.08	79.2	51.75	78·4	.0577	.8083	19.13.6	K	11 12 „
20	17·435	21.10	80.0	51.92	79.0	.0580	.8101	19·14.3	K	Noon.
21	18·944	20.79	80.3	52.59	79.5	.0530	.8175	19.17.8	C	1 12 p. m.
22	20.659	20.56	80.9	52.90	80·0	.0492	.8209	19·19·6	C	2 12 „
23	22.101	20.18	81.0	52.76	80.4	.0429	.8194	19.19.8	C	3 12 „
FEB. 22ND—Noon.	22.101	19.93	81.0	52.51	80.7	.0388	.8166	19·19·2	C	4 12 „
1	20.865	19.67	80.2	52.21	80.2	.0346	.8133	19·18·5	K	5 12 „
2	19.287	19.51	79.4	52.39	79.8	.0320	.8153	19·19·7	K	6 12 „
3	20.110	19.39	78.8	52.10	79.4	.0300	.8121	19.18.7	B	7 12 „
4	20.247	19.36	78.3	52.07	79.0	.0295	.8118	19·18·6	B	8 12 „
5	20.316	19.34	77.9	52.11	78.6	.0292	.8122	19·18·8	B	9 12 „
6	20.316	19.32	77.8	52·17	78.4	.0288	.8129	19·19·1	B	10 12 „
7	20.865	19.32	77.5	52.15	78.2	.0288	.8127	19·19·1	K	11 12 „
8	20.522	19.87	77.4	52.29	78.0	.0379	.8142	19·19·5	K	Midnight.
9	20.110	19.76	77.0	52.26	77.7	.0361	.8149	19·18·6	C	1 12 a. m.
10	20.110	19.67	76.9	52.22	77.2	.0346	.8134	19·18·5	C	2 12 „
11	20.453	19.70	76.7	52.31	77.1	.0351	.8144	19·18·9	C	3 12 „
12	21.345	19.05	76·5	52.61	77.1	.0244	.8177	19·21.7	C	4 12 „
13	21.963	19.50	76.2	52.66	76.8	.0318	.8183	19·20·8	B	5 12 „
14	21.551	19.13	76.0	52.40	76.5	.0257	.8154	19·20·5	B	6 12 „
15	20·796	18.88	75.7	52.67	76.4	.0216	.8184	19·22·1	B	7 12 „
16	21.070	19.40	76.4	52.64	76.4	.0302	.8180	19·21.0	B	8 12 „
17	21.208	20.17	77.7	52.31	77.0	.0428	.8144	19·17·9	K	9 12 „
18	20.590	19.38	78.8	52.13	77.8	.0293	.8124	19·18·8	K	10 12 „
19	19.630	19.43	79.5	51.52	78·5	.0307	.8057	19·16·2	K	11 12 „
20	19.561	19.84	80.0	51.67	79.0	.0374	.8074	19·15·9	K	Noon.
21	20.385	19.52	80.4	52.09	79.6	.0321	.8120	19·18·4	C	1 12 p. m.
22	20.933	19.71	80.9	52.00	80.0	.0353	.8110	19·17·6	C	2 12 „
23	21.826	19.32	80.8	52.20	80.0	.0288	.8132	19·19·2	C	3 12 „

On the 21st, at about 19h., Dip as obtained by Observation was 19°06'2.

DAILY OBSERVATIONS FROM 23RD TO 25TH FEBRUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Feb. 23rd-Noon.	22'032	19.16	80°4	51.90	80°1	8.0262	2.8099	19°18'3	C	4 12 p. m.
1	21.071	18.85	79.6	51.75	80.0	.0211	.8083	19.18.4	K	5 12 ,,
2	20.728	18.75	78.6	52.03	79·2	.0195	.8113	19.19.7	K	6 12 ,,
3	21.895	18.41	77.7	52.25	78.4	.0140	.8138	19.21.5	K	7 12 ,,
4	23.730	18.36	77.0	52.34	78.0	.0131	.8147	19.22.0	K	8 12 ,,
5	22.305	18.22	76.5	52.34	77.3	.0108	.8147	19.22.3	B	9 12 ,,
6	21.963	17.93	76.3	52.48	77.2	.0060	.8163	19.23.4	B	10 12 ,,
7	21.758	18.07	76.0	52.41	76.9	.0084	.8155	19.23.0	B	11 12 ,,
8	20.453	19.40	75.8	52.25	76.6	.0302	.8138	19.19.4	B	Midnight.
9	23.060	17.77	75.6	52.65	76.4	.0035	.8182	19.24.4	C	1 12 a. m.
10	22.101	17.62	75.2	52.38	76.0	.0009	.8152	19.23.7	C	2 12 ,,
11	21.619	17.66	74.7	52.40	75·5	.0016	.8154	19 23.6	C	3 12 ,,
12	21.276	18.02	74.1	52.60	75.0	.0075	.8176	19.23.7	C	4 12 ,,
13	21.276	17.99	73.9	52.69	74.6	.0070	.8186	19.24.2	B	5 12 ,,
14	20.933	18.16	73.9	52.79	74.6	.0098	.8197	19.24.2	B	6 12 ,,
15	21.415	18.25	73.7	53.00	74.2	.0113	.8220	19.25.1	B	7 12 ,,
16	22.237	18.67	73.8	52.98	74.2	.0181	.8218	19.24.1	B	8 12 ,,
17	23.404	18.88	75.0	52.84	74.8	.0216	.8202	19.22.8	K	9 12 ,,
18	22.649	19.27	76.8	52.32	75.6	.0281	.8145	19.20.0	K	10 12 ,,
19	21.619	19.30	77.7	52.21	76.3	.0285	.8133	19.19.3	C	11 12 ,,
20	21.415	19.01	78.4	52.12	77·2	.0238	.8123	19.19.6	K	Noon.
21	21.208	18.54	79.0	52.04	78.0	.0161	.8114	19.20.2	K	1 12 p. m.
22	21.208	18.14	79.5	52.01	78.7	.0095	.8111	19.20.9	C	2 12 ,,
23	22.237	17.86	79.9	52.12	79.0	.0049	.8123	19.22.0	C	3 12 ,,
Feb. 24th-Noon.	22.923	17.35	79.8	52.02	79.0	7.9965	.8112	19.22.6	C	4 12 ,,
1	21.619	17.12	79.1	51.97	79.0	.9927	.8107	19.23.0	K	5 12 ,,
2	23.198	17.09	78.4	52.36	78.5	.9923	.8150	19.24.8	K	6 12 ,,
3	23.060	17.27	77.6	52.59	78.1	.9953	.8175	19.25.3	B	7 12 ,,
4	22.854	17.05	77.5	52.63	77.7	.9916	.8179	19.25.8	B	8 12 ,,
5	23.198	17.30	77.2	52.65	77.6	.9957	.8182	19.25.4	B	9 12 ,,
6	23.540	17.27	77.2	52.73	77.6	.9953	.8190	19.25.9	B	10 12 ,,
7	22.649	17.33	77.1	52.64	77.4	8.0014	.8180	19.24.8	K	11 12 ,,
8	23.130	17.95	76.9	52.62	77.2	.0063	.8178	19.24.0	K	Midnight.
9	22.718	17.87	76.6	52.56	77·0	.0051	.8172	19.23.8	C	1 12 a. m.
10	21.826	18.13	76.3	52.61	76.9	.0093	.8177	19.23.6	C	2 12 ,,
11	21.619	18.18	76.0	52.71	76·5	.0100	.8188	19.23.9	C	3 12 ,,
12	21.619	18.21	75.9	52.66	76·1	.0107	.8183	19.23.6	C	4 12 ,,
13	20.933	18.34	75.8	52.64	76.2	.0128	.8180	19.23.2	B	5 12 ,,
14	20.316	18.62	75.9	52.61	76.3	.0173	.8177	19.22.6	B	6 12 ,,
15	20.042	18.66	75.8	52.58	76.1	.0180	.8174	19.22.3	B	7 12 ,,
16	19.356	18.68	76.3	52.51	76.2	.0183	.8166	19.22.0	B	8 12 ,,
17	19.356	18.56	77.2	52.65	76.5	.0164	.8182	19.32.8	K	9 12 ,,
18	19.561	18.76	78.4	52.58	77.4	.0197	.8174	19.22.0	K	10 12 ,,
19	19.836	18.81	79.5	52.40	78.2	.0205	.8154	19.21.2	K	11 12 ,,
20	18.738	18.93	80.5	52 35	79.1	.0224	.8149	19.20.8	K	Noon.
21	19.013	18.93	81.1	52.35	79.9	.0224	.8149	19.20.8	C	1 12 p. m.
22	18.532	19.15	82.0	52.30	80.6	.0260	.8143	19.20.1	C	2 12 ,,
23	19.493	19.07	82.2	52.28	81.1	.0248	.8141	19.20.1	C	3 12 ,,
Feb. 25th-Noon.	20.247	18.65	82.0	52.15	81.5	.0178	.8127	19.20.6	C	4 12 ,,
1	20.179	18.41	81.4	52.04	81.2	.0140	.8114	19.20.5	K	5 12 ,,
2	20.453	18.14	80.5	52.32	80·6	.0095	.8145	19.22.3	K	6 12 ,,
3	21.276	18.06	80.0	52.31	80.2	.0082	.8144	19.23.5	K	7 12 ,,
4	21.551	17.91	79.5	52.59	79.8	.0075	.8175	19.23.9	K	8 12 ,,
5	21.758	17.97	79.2	52.49	79.6	.0067	.8164	19.23.3	B	9 12 ,,
6	21.688	17.92	78.9	52.54	79·5	.0058	.8169	19.23.6	B	10 12 ,,
7	21.758	18.31	78.6	52.63	79.3	.0123	.8179	19.23.2	B	11 12 ,,
8	21.551	18.78	78.2	52.68	78.8	.0200	.8185	19.22.5	B	Midnight.
9	21.415	18.78	78.0	52.62	78.8	.0200	.8178	19.22.2	C	1 12 a. m.
10	21.345	18.75	78.0	52.61	78.5	.0195	.8177	19.22.2	C	2 12 ,,
11	21.139	18.83	78.2	52.62	78.5	.0208	.8178	19.22.1	K	3 12 ,,

On the 24th, at about 19h., Dip as obtained by Observation was 19°02'8.

DAILY OBSERVATIONS FROM 25TH TO 27TH FEBRUARY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Feb. 25th—12	20'865	18.94	78°2	52.57	78°4	8.0226	2.8173	19°21'6	K	4 12 a. m.
13	20.453	19.07	78.0	52.57	78.4	.0248	.8173	19.21.3	B	5 12 „
14	20.042	19.26	77.9	52.55	78.4	.0279	.8171	19.20.9	B	6 12 „
15	20.042	19.34	77.8	52.49	78.1	.0292	.8164	19.20.4	C	7 12 „
16	20.659	19.66	78.1	52.40	78.2	.0344	.8154	19.19.5	C	8 12 „
17	21.071	20.14	79.0	52.36	78.6	.0423	.8150	19.18.3	K	9 12 „
18	20.933	20.49	80.1	52.06	79.2	.0481	.8117	19.16.3	K	10 12 „
19	21.619	20.61	81.5	52.21	80.4	.0500	.8133	19.16.7	B	11 12 „
20	21.895	20.51	82.6	52.22	81.2	.0484	.8134	19.16.9	B	Noon.
21	21.963	20.12	83.2	52.21	82.0	.0419	.8133	19.17.6	C	1 12 p. m.
22	21.758	19.91	83.8	52.13	82.5	.0385	.8124	19.17.6	C	2 12 „
23	22.444	19.16	84.1	52.09	83.0	.0262	.8120	19.19.2	K	3 12 „
Feb. 26th-Noon.	22.374	18.49	84.1	51.80	83.4	.0153	.8088	19.19.3	K	4 12 „
1	20.865	18.38	83.3	51.71	83.0	.0134	.8078	19.19.2	B	5 12 „
2	20.796	18.07	82.3	52.01	82.5	.0084	.8111	19.21.2	B	6 12 „
3	20.865	17.12	82.0	52.28	82.0	7.9927	.8141	19.24.3	C	7 12 „
4	22.305	16.27	81.7	52.47	81.9	.9789	.8162	19.26.8	C	8 12 „
5	23.816	15.08	81.2	52.64	81.4	.9593	.8180	19.30.0	K	9 12 „
6	24.295	16.30	81.0	52.50	81.2	.9793	.8165	19.27.0	K	10 12 „
7	23.335	17.64	80.8	52.53	80.9	8.0013	.8168	19.24.3	B	11 12 „
8	22.168	18.02	80.7	52.50	80.8	.0075	.8165	19.23.3	B	Midnight.
9	22.101	18.12	80.5	52.50	80.8	.0091	.8165	19.23.1	C	1 12 a. m.
10	23.198	17.70	80.0	52.71	80.4	.0023	.8188	19.24.9	C	2 12 „
11	22.512	17.91	80.0	52.35	80.1	.0057	.8149	19.22.9	C	3 12 „
12	21.688	17.85	79.7	52.18	80.0	.0047	.8130	19.22.3	C	4 12 „
13	21.415	18.02	79.2	52.59	79.7	.0075	.8175	19.23.7	K	5 12 „
14	21.071	18.05	79.0	52.21	79.6	.0080	.8133	19.22.1	K	6 12 „
15	20.728	18.33	78.8	52.10	79.2	.0126	.8121	19.20.9	K	7 12 „
16	20.042	18.74	79.5	52.18	79.3	.0194	.8130	19.20.5	K	8 12 „
17	20.779	19.17	80.5	52.15	80.0	.0264	.8127	19.19.5	B	9 12 „
18	20.110	19.44	81.6	52.07	80.0	.0309	.8118	19.18.5	B	10 12 „
19	19.836	19.73	82.4	52.02	81.3	.0356	.8112	19.17.5	B	11 12 „
20	19.973	19.77	83.0	52.03	82.1	.0363	.8119	19.17.8	B	Noon.
21	20.522	19.61	83.8	52.03	82.8	.0336	.8113	19.17.9	C	1 12 p. m.
22	21.276	19.32	84.0	52.10	83.0	.0288	.8121	19.18.8	C	2 12 „
23	21.415	19.27	83.9	51.95	83.3	.0281	.8105	19.18.4	C	3 12 „
Feb. 27th-Noon.	20.865	19.09	83.6	51.67	83.8	.0251	.8074	19.17.4	C	4 12 „
1	20.728	18.66	83.0	51.67	83.0	.0180	.8074	19.18.4	K	5 12 „
2	20.865	18.22	82.2	51.99	82.4	.0108	.8109	19.20.7	K	6 12 „
3	21.619	17.80	81.6	52.17	81.8	.0039	.8129	19.22.4	B	7 12 „
4	21.688	17.92	81.2	52.16	81.4	.0058	.8128	19.22.1	B	8 12 „
5	21.619	18.13	81.0	52.09	81.3	.0093	.8120	19.21.4	B	9 12 „
6	21.276	18.30	80.8	52.16	81.2	.0121	.8128	19.21.3	B	10 12 „
7	21.139	18.32	80.4	52.03	81.0	.0124	.8113	19.20.7	K	11 12 „
8	21.345	18.27	80.2	52.07	80.8	.0117	.8118	19.20.9	K	Midnight.
9	21.276	18.44	80.0	52.10	80.5	.0145	.8121	19.20.6	C	1 12 a. m.
10	21.276	18.35	79.9	52.11	80.3	.0129	.8122	19.20.9	C	2 12 „
11	20.728	18.40	79.6	52.06	80.0	.0138	.8117	19.20.8	C	3 12 „
12	20.659	18.41	79.2	52.10	79.9	.0140	.8121	19.20.8	C	4 12 „
13	20.247	18.44	79.0	52.11	79.5	.0145	.8122	19.20.6	B	5 12 „
14	20.453	18.49	79.0	52.27	79.5	.0153	.8140	19.21.4	B	6 12 „
15	20.728	18.62	79.0	52.21	79.5	.0173	.8133	19.20.9	B	7 12 „
16	21.895	18.98	79.1	52.13	79.5	.0232	.8124	19.19.7	B	8 12 „
17	22.101	19.36	79.8	51.89	79.6	.0295	.8098	19.17.8	K	9 12 „
18	21.758	19.69	80.6	51.66	80.0	.0349	.8073	19.16.1	K	10 12 „
19	21.963	19.58	81.2	51.66	80.5	.0331	.8073	19.16.4	K	11 12 „
20	21.482	20.07	81.8	51.69	81.0	.0412	.8076	19.15.5	K	Noon.
21	20.933	19.94	82.0	51.70	81.6	.0390	.8077	19.15.8	C	1 12 p. m.
22	20.933	19.63	82.1	51.69	81.7	.0339	.8976	19.16.4	C	2 12 „
32	20.865	19.39	82.6	51.56	82.1	.0300	.8062	19.16.3	C	3 12 „

On the 25th, at about 21h. 12m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 2ND TO 4TH MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAR. 2ND-Noon.	21·139	19.21	83°0	51.33	83°6	8.0271	2.8036	19°15′8	C	4 12 p. m.
1	20·590	19.09	81.6	51.53	82.6	.0251	.8058	19.16.9	C	5 12 ,,
2	20.110	18.87	80.1	51.69	81.2	.0215	.8076	19.17.9	C	6 12 ,,
3	20.247	18.62	79.2	51.86	80·6	.0173	.8095	19.19.4	C	7 12 ,,
4	21·345	18·64	79·1	51·91	80.3	.0177	.8100	19.19·5	C	8 12 ,,
5	21.208	18.66	79 1	51.96	80.2	.0180	.8106	19.19.7	K	9 12 ,,
6	21.415	18.80	79·1	51.96	80·1	.0203	.8108	19.19.5	K	10 12 ,,
7	21·276	18.83	79.0	52.00	80.0	.0208	.8110	19.19.5	K	11 12 ,,
8	20.865	18.90	78.6	52.05	79.8	.0219	.8116	19.19·5	K	Midnight.
9	20.933	19.07	78.3	52.08	79.3	.0248	.8119	19.19.2	B	1 12 a. m.
10	20·865	19.09	77.9	52.07	79.0	.0251	.8118	19.19.2	B	2 12 ,,
11	20.590	19·17	77.9	52.11	78.8	.0264	.8122	19.19.2	B	3 12 ,,
12	20.316	19·18	77·9	52.11	78·7	.0265	.8122	19.19.1	B	4 12 ,,
13	20.865	19.42	77.9	52.19	78·6	.0305	.8131	19.19.0	C	5 12 ,,
14	20.453	19.21	77·8	52.17	78.6	.0271	.8129	19.19.4	C	6 12 ,,
15	20.590	19.27	77.5	52·20	78·2	.0281	.8132	19.19.4	C	7 12 ,,
16	20·728	19.67	77.4	52.04	78·1	.0346	.8114	19.17.7	C	8 12 ,,
17	20.590	20.09	77·7	51·99	78·0	.0415	.8109	19.16.6	K	9 12 ,,
18	20.110	20.11	78.2	51.95	78·2	.0418	.8105	19.16.5	K	10 12 ,,
19	19.561	20.35	79.0	51.81	78.8	.0457	.8089	19.15·3	K	11 12 ,,
20	19.561	20.20	79.6	51·93	79·2	.0433	.8102	19.16.2	K	Noon.
21	19.424	19.93	80.0	51.99	79·7	.0388	.8109	19.17.0	B	1 12 p. m.
22	21.002	19.59	80.3	52·01	80.2	.0333	.8111	19.17.9	B	2 12 ,,
23	21.071	19.50	80.2	51.81	80.3	.0318	.8089	19.17.4	B	3 12 ,,
MAR. 3RD-Noon.	21.002	19.19	80.0	51.80	80.6	.0267	.8088	19.17·8	B	4 12 ,,
1	20.590	19.15	79.4	51.86	80.0	.0260	.8095	19.18.2	C	5 12 ,,
2	20.385	19.15	78·6	51.79	79.6	.0260	.8087	19.17.9	C	6 12 ,,
3	20·797	19.11	78·0	52.02	79.0	.0254	.8112	19.18.9	C	7 12 ,,
4	20.659	19.02	77.6	52·11	78.5	.0239	.8122	19.19.5	C	8 12 ,,
5	21.139	18·80	77.4	52·13	78.4	.0203	.8124	19.20.1	K	9 12 ,,
6	22·032	18.64	77.1	52.13	75.2	.0177	.8124	19.20.4	K	10 12 ,,
7	21.826	18.52	77.0	52·16	78.0	.0157	.8128	19.20.8	K	11 12 ,,
8	21·758	19.04	76.8	52.19	77·8	.0243	.8131	19.19.9	K	Midnight.
9	21.738	18.80	76.4	52·25	77.5	.0203	.8138	19·20.7	B	1 12 a. m.
10	21·551	18.78	76·2	52.24	77·2	.0200	.8136	19.20.6	B	2 12 ,,
11	22·168	18.60	75.8	52·19	77.0	.0170	.8131	19.20.8	B	3 12 ,,
12	21.688	18.93	75·6	52.12	76·5	.0224	.8123	19·19.8	B	4 12 ,,
13	21.758	18.75	75.4	52.18	76.4	.0195	.8130	19.20·4	C	5 12 ,,
14	21.071	18.63	74.9	52.11	76.3	.0175	.8122	19.20·3	C	6 12 ,,
15	21·139	18.83	75.0	52.17	76.1	.0208	.8129	19.20.2	C	7 12 ,,
16	22·237	19.47	76.2	52·19	76.2	.0314	.8131	19.19.0	C	8 12 ,,
17	22·305	20.06	77.0	51.84	76·4	.0410	.8092	19.16.1	K	9 12 ,,
18	21·139	20.44	78.0	51·62	77·2	.0473	.8068	19.14.4	K	10 12 ,,
19	21·071	20.68	79.1	51·65	78.2	.0511	.8072	19.14.0	K	11 12 ,,
20	20·933	20·59	80.0	51·77	79.0	.0497	.8085	19.14.7	K	Noon.
21	20.865	20.13	80.3	51.99	79.5	.0421	.8109	19.16.8	B	1 12 p. m.
22	21.319	19.84	80.3	51.90	80·0	·0374	.8099	19.16.9	B	2 12 ,,
23	20.933	19.58	80.6	51.67	80.5	.0331	.8074	19.16.4	B	3 12 ,,
MAR. 4TH-Noon.	21.002	18·84	80·3	51·52	80·6	.0210	.8057	19.17.5	B	4 12 ,,
1	20·110	18.82	79·7	51.43	80·0	.0206	.8053	19.17.3	C	5 12 ,,
2	20.042	18.70	78.6	51.70	79.2	.0187	.8077	19.18.4	C	6 12 ,,
3	21.071	18.73	78.0	51.97	78.9	.0192	.8107	19.19.6	C	7 12 ,,
4	21.415	18.57	77.6	52.06	78.5	.0166	.8117	19.20.3	C	8 12 ,,
5	21.415	18.45	77.4	52·07	78.4	.0146	.8118	19.20.5	K	9 12 ,,
6	21.345	18.41	77.0	51.99	78.0	.0140	.8109	19.20.3	K	10 12 ,,
7	21·551	18.81	77·0	52·01	77.8	.0205	.8111	19.19.5	K	11 12 ,,
8	21.688	18.99	76.9	52.05	77.6	.0234	.8116	19.19.4	K	Midnight.
9	21.071	19.07	76.6	52.08	77.3	.0248	.8119	19.19.2	B	1 12 a. m.
10	21.415	19.08	76.5	52.12	77.4	·0249	.8123	19.19.3	B	2 12 ,,
11	21.758	19.01	76.2	52.19	77.0	.0238	.8131	19.19.9	B	3 12 ,,

On the 3rd, at about 19h. 48m., Dip as obtained by Observation was 18°59′7.

DAILY OBSERVATIONS, FROM 4TH TO 7TH MARCH 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Mar. 4th—12	21·963	18.90	76·0	52.18	76·8	8.0219	2.8130	19°20·1	B	4 12 a. m.
13	21·071	19.10	76.1	52.56	76·8	.0252	·8172	19·21.2	C	5 12 „
14	21.415	19.13	76.0	52.70	76.7	.0257	·8187	19.21.8	C	6 12 „
15	21.826	19.23	76.0	52·89	76.4	.0274	·8208	19.22.5	C	7 12 „
16	22.305	19.51	76.7	52.64	76.7	.0320	·8180	19.20.7	C	8 12 „
17	21.826	19.99	77.7	52.46	77.0	.0398	.8161	19.18.9	K	9 12 „
18	21.071	20.07	79.0	52.17	78.0	.0412	·8129	19.17.7	K	10 12 „
19	20.659	20.10	80.0	52.22	79.0	·0416	.8134	19.17.6	K	11 12 „
20	20.316	20.00	80.0	52.25	79.3	.0400	.8138	19.18.1	K	Noon.
21	20.659	19.70	80.4	52.44	79.7	.0351	.8158	19.19.5	B	1 12 p. m.
22	20.865	19.35	80.6	52.46	80.3	·0297	.8161	19.20.3	B	2 12 „
23	20.728	19.27	80.6	52.27	80.6	.0281	·8140	19.19.8	B	3 12 „
Mar. 6th-Noon.	21.071	19.38	81.6	52.06	81.9	.0293	.8117	19.18.7	C	4 12 „
1	20.659	19.26	80.6	52.03	81.1	.0279	.8113	19·18.7	C	5 12 „
2	20.179	19.26	79.9	52.12	80·5	.0279	·8123	19.19.1	C	6 12 „
3	20.728	19.13	79.4	51.92	80.1	·0257	.8101	19·18·4	C	7 12 „
4	20.865	19.09	79.0	51.85	80.0	·0251	·8094	19·18.2	C	8 12 „
5	20.865	19.12	79.0	51.89	79.8	.0255	.8098	19·18.3	K	9 12 „
6	20.590	19.19	78.9	51.99	79.6	·0267	.8109	19·18.6	K	10 12 „
7	20.796	19.27	78.8	52.05	79.5	.0281	·8116	19.18·8	K	11 12 „
8	20.933	19.28	78.7	52.16	79.4	·0282	.8128	19.19.3	K	Midnight.
9	21.071	19.26	78.3	52.17	79.0	.0279	.8129	19.19.3	B	1 12 a. m.
10	20.865	19·21	78.0	52.18	78.6	.0271	.8130	19.19.5	B	2 12 „
11	20.865	19.18	77·8	52.21	78.5	.0265	.8133	19.19·6	B	3 12 „
12	20.659	19.23	77.5	52.25	78.4	·0274	.8138	19.19·8	B	4 12 „
13	20.865	19.21	77.0	52.28	78.0	·0271	·8140	19.19·9	C	5 12 „
14	21.139	19.29	76.8	52.18	77.6	·0284	.8130	19.19.4	C	6 12 „
15	21.345	19.49	76.9	52.27	77.3	·0317	.8140	19.19.2	C	7 12 „
16	22.305	19.83	77.2	52.15	77·6	.0372	·8127	19·18.1	C	8 12 „
17	23.130	20.22	77.3	52.04	78.0	·0436	.8114	19.16·6	K	9 12 „
18	22.512	20.90	79.2	51.61	78.5	·0547	.8067	19.13·3	K	10 12 „
19	21.895	21.06	80.0	51.48	79.2	·0574	·8053	19.12·6	K	11 12 „
20	21.071	20.91	81.0	51.50	80.0	.0549	.8055	19·12·9	K	Noon.
21	20.110	20.64	81.5	51.67	80.6	·0505	.8074	19·14.0	B	1 12 p. m.
22	20.179	20.35	81.6	51.69	81·2	.0457	·8076	19·14.8	B	2 12 „
23	21.002	19.96	81.7	51.70	81.6	.0393	.8077	19·15·8	B	3 12 „
Mar. 7th-Noon.	21.415	19.74	81.5	51.35	81.8	.0358	.8039	19.14.7	B	4 12 „
1	20.590	19.58	80.7	51.38	81.1	·0331	·8042	19.15·2	C	5 12 „
2	19.767	19.31	79.6	51.57	80.5	.0287	·8063	19·16·5	C	6 12 „
3	20·453	19.32	79.0	51.80	80.0	·0288	·8088	19.17.5	C	7 12 „
4	20.865	19.24	78.8	51.86	79.6	·0276	.8095	19.17·9	C	8 12 „
5	20.522	19.31	78.8	51.63	79.2	·0287	.8091	19.17.6	K	9 12 „
6	20.385	19.27	78.5	51.90	79.2	.0281	·8099	19·18.1	K	10 12 „
7	20.522	19.20	78.2	51.97	79.0	.0269	·8107	19·18.6	K	11 12 „
8	20.796	19.25	78.2	52.02	79.0	·0277	·8112	19.18.6	K	Midnight.
9	20.933	19.26	78.0	52.06	78.7	·0279	.8117	19.18.9	B	1 12 a. m.
10	21.002	19.28	77.9	52.28	78.6	·0282	·8141	19.19.8	B	2 12 „
11	20.796	19.30	77.6	52.38	78.5	.0285	·8152	19.20·0	B	3 12 „
12	20.796	19.26	77.4	52.30	78.3	·0279	.8143	19·19·9	B	4 12 „
13	20.316	19.27	77.2	52.34	78.0	.0281	.8147	19·20·1	C	5 12 „
14	20.728	19.23	77.0	52.43	77.8	.0274	·8157	19.20·6	C	6 12 „
15	21.002	19.36	76.7	52.56	77.3	·0295	·8172	19.20.6	C	7 12 „
16	22.649	19.82	77.0	52.44	77.5	.0370	.8158	19·19.3	C	8 12 „
17	23.473	20.47	78.0	52·19	78·0	·0478	.8131	19·16.8	K	9 12 „
18	22.237	21.02	79.0	51.46	78.5	.0567	·8051	19.12.5	K	10 12 „
19	20.590	21.33	80.0	51.33	79.2	.0618	.8036	19.11.4	K	11 12 „
20	19·359	21.27	80.8	51.39	79.8	·0609	.8043	19.11.7	K	Noon.
21	18.875	20.82	81.3	51.47	80.5	.0534	.8052	19·13.0	B	1 12 p. m.
22	19.287	20.40	81.5	51.83	81.1	.0466	·8091	19·15.3	B	2 12 „
23	21.071	20·15	81.5	52.03	81.5	·0424	.8113	19·16.8	B	3 12 „

On the 4th, at about 20h., Deflection Observations were taken.
On the 7th, at about 18h. 48m., Dip as obtained by Observation was 19°00′3.

DAILY OBSERVATIONS FROM 8TH TO 10TH MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.								°		h. m.
MAR. 8TH-Noon.	21'276	19.82	81°1	51.85	81°5	8.0370	2.8097	19°16'6	B	4 12 p. m.
1	20.865	19.70	80.5	51.63	81.0	.0351	.8069	19.15.9	C	5 12 „
2	19.836	19.43	79.8	51.70	80.5	.0307	.8077	19.16.9	C	6 12 „
3	20.247	19.27	79.1	51.99	79.8	.0281	.8109	19.18.5	C	7 12 „
4	20.110	19.24	78.9	51.99	79.5	.0276	.8109	19.18.5	C	8 12 „
5	20.316	19.17	78.5	52.03	79.2	.0264	.8113	19.18.9	K	9 12 „
6	20.179	19.10	78.4	52.07	79.0	.0252	.8118	19.19.2	K	10 12 „
7	20.453	19.07	78.2	52.28	78.8	.0248	.8141	19.20.1	K	11 12 „
8	20.453	19.09	78.0	52.26	78.7	.0251	.8139	19.20.0	K	Midnight.
9	21.771	19.12	78.0	52.28	78.7	.0255	.8141	19.20.0	B	1 12 a. m.
10	20.865	19.15	77.8	52.24	78.5	.0260	.8136	19.19.9	B	2 12 „
11	20.659	19.11	77.5	52.19	78.2	.0254	.8131	19.19.7	B	3 12 „
12	20.316	19.10	77.2	52.22	78.0	.0252	.8134	19.19.8	B	4 12 „
13	20.110	19.13	77.1	52.28	78.0	.0257	.8141	19.20.0	C	5 12 „
14	20.110	19.19	77.0	52.36	77.9	.0267	.8150	19.20.3	C	6 12 „
15	21.071	19.20	77.0	52.38	77.8	.0269	.8152	19.20.3	C	7 12 „
16	21.895	19.68	77.4	52.31	78.0	.0347	.8144	19.18.9	C	8 12 „
17	22.101	20.15	78.5	52.05	78.2	.0424	.8116	19.16.9	K	9 12 „
18	21.619	20.61	79.5	51.72	79.0	.0500	.8079	19.14.4	K	10 12 „
19	20.247	20.95	80.4	51.29	79.7	.0555	.8032	19.11.8	K	11 12 „
20	19.453	20.90	81.0	51.36	80.3	.0547	.8040	19.12.3	K	Noon.
21	19.699	20.70	81.5	51.67	80.6	.0515	.8074	19.13.9	B	1 12 p. m.
22	20.385	20.33	81.8	51.79	81.2	.0454	.8087	19.15.4	B	2 12 „
23	21.688	19.73	81.8	51.90	81.7	.0356	.8099	19.16.9	B	3 12 „
MAR. 9TH-Noon.	21.415	19.52	81.6	51.74	81.9	.0321	.8081	19.16.8	B	4 12 „
1	21.002	19.47	80.8	51.63	81.1	.0314	.8069	19.16.5	C	5 12 „
2	20.590	19.41	80.0	51.72	80.6	.0304	.8079	19.17.0	C	6 12 „
3	20.728	19.25	79.6	51.90	80.1	.0227	.8099	19.18.1	C	7 12 „
4	20.865	19.22	79.3	52.00	79.9	.0272	.8110	19.18.7	C	8 12 „
5	21.071	19.20	79.2	51.99	79.8	.0269	.8109	19.18.6	K	9 12 „
6	20.796	18.97	79.0	51.09	79.5	.0231	.8010	19.15.3	K	10 12 „
7	21.415	18.81	78.8	52.16	79.2	.0205	.8128	19.20.2	K	11 12 „
8	21.139	19.03	78.7	52.19	79.0	.0241	.8131	19.19.9	K	Midnight.
9	20.865	19.09	78.2	52.21	78.8	.0251	.8133	19.19.8	B	1 12 a. m.
10	20.865	19.10	78.0	52.21	78.5	.0252	.8133	19.19.8	B	2 12 „
11	20.453	19.08	77.8	52.16	78.5	.0249	.8128	19.19.6	B	3 12 „
12	20.522	19.17	77.7	52.25	78.4	.0264	.8138	19.19.9	B	4 12 „
13	20.316	19.35	77.6	52.28	78.0	.0293	.8141	19.19.6	C	5 12 „
14	20.042	19.40	77.5	51.31	78.0	.0302	.8034	19.15.3	C	6 12 „
15	21.345	19.35	77.5	52.54	78.0	.0293	.8169	19.20.6	C	7 12 „
16	22.305	19.70	78.0	51.94	78.1	.0351	.8103	19.17.3	C	8 12 „
17	22.374	20.22	78.9	52.21	78.8	.0436	.8133	19.17.4	K	9 12 „
18	22.101	20.42	80.0	51.99	79.5	.0469	.8109	19.16.0	K	10 12 „
19	21.576	20.24	81.2	51.72	80.5	.0440	.8079	19.15.2	K	11 12 „
20	20.179	20.60	82.2	51.44	81.2	.0498	.8048	19.13.3	K	Noon.
21	19.287	20.36	82.9	51.41	82.0	.0449	.8045	19.13.8	B	1 12 p. m.
22	20.042	20.10	83.1	51.53	82.7	.0416	.8058	19.14.7	B	2 12 „
23	20.796	19.76	83.1	51.31	82.9	.0361	.8034	19.15.4	B	3 12 „
MAR. 10TH-Noon.	20.865	19.48	82.8	51.42	83.0	.0315	.8046	19.15.5	B	4 12 „
1	20.385	19.44	82.1	51.50	82.6	.0309	.8055	19.16.1	C	5 12 „
2	19.699	19.24	81.0	51.61	81.9	.0276	.8067	19.16.9	C	6 12 „
3	19.973	19.28	80.7	51.81	81.6	.0282	.8089	19.17.7	C	7 12 „
4	20.247	19.18	80.3	51.89	81.0	.0265	8098	19.18.2	C	8 12 „
5	20.042	19.12	80.0	51.92	80.6	.0255	.8101	19.18.4	K	9 12 „
6	20.247	19.06	79.9	51.82	80.5	.0246	.8090	19.19.1	K	10 12 „
7	21.139	18.77	79.7	52.01	80.2	.0199	.8111	19.19.6	K	11 12 „
8	21.345	18.60	79.2	52.00	79.9	.0170	.8110	19.20.0	K	Midnight.
9	21.139	18.64	78.9	52.01	79.6	.0177	.8111	19.19.9	B	1 12 a. m.
10	20.522	18.78	78.8	52.00	79.4	.0200	.8110	19.19.6	B	2 12 „
11	21.002	18.62	78.3	52.10	79.2	.0173	.8121	19.20.4	B	3 12 „

DAILY OBSERVATIONS FROM 10TH TO 13TH MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAR. 10TH—12	20·453	18.72	78°3	52.15	78°9	8·0190	2.8127	19°20·4	B	4 12 a. m.
13	20.042	18·79	77.8	52.20	78.7	.0202	.8132	19.20·4	C	5 12 „
14	20.453	18.66	77.3	52.21	78.4	·0180	·8133	19.20·8	C	6 12 „
15	21.551	18.96	77.0	52.35	78.2	.0229	.8149	19.20·7	C	7 12 „
16	22·512	19.48	77.8	52.31	78·5	.0315	.8144	19.19.3	C	8 12 „
17	23.816	19.93	78.8	52.22	79.0	.0388	.8134	19.18.0	K	9 12 „
18	23.473	20·34	80.0	51.85	80.0	.0456	.8094	19.15·4	K	10 12 „
19	21.688	20.62	81.3	51.48	81·0	.0501	.8053	19.13.5	K	11 12 „
20	20.247	20.60	82.1	51.30	81·6	.0498	.8033	19.13.7	K	Noon.
21	19·630	20.20	83.9	51.39	82.3	.0433	.8043	19.14.0	B	1 12 p. m.
22	20.110	19.75	83.2	51.29	82.9	.0359	.8032	19.14.4	B	2 12 „
23	20.728	19.63	83.3	51.45	83.3	.0339	.8050	19·15.5	B	3 12 „
MAR. 11TH-Noon.	20.522	19.43	83·5	51.49	83.5	·0305	.8054	19.16.0	B	4 12 „
1	20.042	19.35	82.9	51.31	83.0	.0293	.8034	19.15.4	C	5 12 „
2	19.561	19.22	81.8	51.45	82.3	.0272	.8053	19.16.5	C	6 12 „
3	20·110	19.04	81.0	52.01	82.0	.0243	.8111	19.19.1	C	7 12 „
4	20.385	18·99	80.8	52.07	81.6	.0234	.8118	19.19.5	C	8 12 „
5	20.865	18.82	80.5	52.11	81·3	.0206	.8122	19.19.9	K	9 12 „
6	21.002	18.87	80.1	52.03	81.0	.0215	.8113	19.19.4	K	10 12 „
7	21.415	18.77	79.3	52.02	80.8	.0199	.8112	19.19.6	K	11 12 „
8	20.796	18·97	79·2	51.96	80.5	.0231	·8106	19.19.0	K	Midnight.
9	20.796	18.94	78.6	51.90	80.0	.0226	.8099	19.18.7	B	1 12 a. m.
10	21.071	18.95	78·2	51.91	79.5	.0227	.8100	19.18.8	B	2 12 „
11	20·522	19.01	78.0	51.88	79.4	.0238	.8097	19.18.6	B	3 12 „
12	20.659	18.96	77.8	51.88	79.3	.0229	.8097	19.18·7	B	4 12 „
13	20.247	18.91	77.5	51.95	79.0	.0221	.8105	19.19.1	C	5 12 „
14	20·316	18·81	77.2	52.04	78.5	.0205	.8114	19.19.6	C	6 12 „
15	20.522	19.02	77.6	52.24	78.5	.0239	.8136	19.20.1	C	7 12 „
16	22.305	19.35	78.0	52.34	78.6	.0390	.8147	19.19.9	C	8 12 „
17	22.787	19.93	78.7	51.97	79·0	.0388	.8107	19.17.0	B	9 12 „
18	22.512	20.19	79.9	51.54	79.8	.0431	·8059	19.14.6	B	10 12 „
19	21.482	20.02	81.1	50.93	80.7	.0403	.7992	19.12.3	B	11 12 „
20	20.247	20.19	82.0	50.80	81.8	.0431	.7978	19.11.4	B	Noon.
21	19·424	19.99	82.5	50.87	82.2	.0398	·7988	19.12.2	K	1 12 p. m.
92	19.424	19.87	82.9	51.08	82.2	.0379	.8009	19.13.6	K	2 12 „
23	20.247	19.78	82.9	51.29	83.3	.0364	.8032	19.14.4	K	3 12 „
MAR. 13TH-Noon.	20·385	19.35	80.8	51.53	81.6	.0293	.8058	19.16.4	B	4 12 „
1	20.316	19·18	80.0	51.53	81.0	.0265	.8059	19.16.7	C	5 12 „
2	20.316	19.17	79.0	51.61	79.8	.0264	·8067	19.17.1	C	6 12 „
3	20.865	18.92	78.2	51·86	79.1	.0222	.8095	19.18.7	C	7 12 „
4	21.276	18.95	77.8	51.87	78.6	.0227	.8096	19.18.6	C	8 12 „
5	20·865	18·92	77.5	51.86	78.4	·0222	.8095	19.18.7	K	9 12 „
6	21.071	18.85	77.2	51.90	78.2	.0211	.8099	19.19.0	K	10 12 „
7	21.415	18.90	77.0	51.95	77.6	.0219	.8105	19.19.1	K	11 12 „
8	21.345	18.80	76.4	52.05	77.4	.0203	·8116	19.19.8	K	Midnight.
9	21.345	18.76	76.4	52.20	77.4	.0197	.8132	19.20·4	B	1 12 a. m.
10	21.276	18.79	76.3	52.17	77.2	.0202	.8129	19.20.3	B	2 12 „
11	21.276	18.86	76.1	52.22	77.1	.0213	.8134	19.20.4	B	3 12 „
12	20.728	18.82	75.9	52.13	76.8	.0206	.8124	19.20.0	B	4 12 „
13	20.659	18.91	75.8	52.17	76.3	.0221	.8129	19.20.0	C	5 12 „
14	20.865	18.92	75.4	52.19	76.2	.0222	.8131	19.20.1	C	6 12 „
15	21.895	19.20	75·7	52.26	76.8	.0269	.8139	19.19.8	C	7 12 „
16	22.923	19.73	76.3	52.22	77.0	.0356	.8134	19·18.3	C	8 12 „
17	22.991	20.26	77·1	52.01	78.0	.0443	·8111	19.16.5	K	9 12 „
18	21.688	20.72	78.2	51.44	79.0	.0518	.8048	19.13.0	K	10 12 „
19	19.286	21.01	79.5	51.19	79.0	.0564	·8021	19.11.4	K	11 12 „
20	17.846	20.99	80.2	51.19	79.6	.0562	·8021	19.11.4	K	Noon.
21	17.298	20.70	80.9	51.36	80.4	.0515	.8040	19.12.7	B	1 12 p. m.
22	18.807	20.28	81.2	51.68	81.0	.0446	.8075	19.14.9	B	2 12 „
23	20.042	19.96	81.5	51.70	81.6	.0393	.8077	19.15.8	B	3 12 „

On the 10th, at about 19h. 30m., Dip as obtained by Observation was 18°50'9.
On the 11th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 14TH TO 16TH MARCH 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Mar. 14th-Noon.	20'385	19.67	81°4	51.56	81°9	8.0346	2.8062	19°15'6	B	4 12 p. m.
1	20.796	19.38	81.1	51.45	81.6	.0298	.8050	19.16.0	C	5 12 „
2	20.316	19.22	80.4	51.50	81.0	.0272	.8055	19.16.6	C	6 12 „
3	21.071	18.97	79.8	51·81	80.6	.0231	.8089	19.18.3	C	7 12 „
4	21.071	18.95	79.4	51.81	80.3	·0227	.8089	19.18.3	C	8 12 „
5	20.796	18.97	79.2	51.75	80.0	·0231	.8083	19·18.1	K	9 12 „
6	21.276	18.95	78°6	51.79	79.7	.0227	.8087	19.18.3	K	10 12 „
7	21.139	18.92	77.9	51.90	79.2	.0222	.8099	19.18.8	K	11 12 „
8	21.071	19.08	77.8	51.96	78.8	·0249	.8106	19.18.7	K	Midnight.
9	21.139	19.07	77.7	52.07	78.4	.0248	·8118	19.19.2	B	1 12 a. m.
10	20.933	19.09	77.0	52.16	77.9	.0251	.8128	19.19.6	B	2 12 „
11	21.002	19.09	76.6	52.15	77.7	.0251	.8127	19.19.6	B	3 12 „
12	20.728	19.13	76.4	52.13	77.6	.0257	.8124	19.19.3	B	4 12 „
13	21.071	19.10	76.1	53.17	77.3	.0252	.8239	19.23.9	C	5 12 „
14	20.728	19.22	75.9	53.61	77.0	.0272	.8287	19.25.6	C	6 12 „
15	21.895	19.36	75.6	53.75	76.8	.0295	.8303	19.25.8	C	7 12 „
16	23.130	19.77	76.5	53.76	77.0	.0363	.8304	19.25.0	C	8 12 „
17	23.746	20.04	77.4	53.52	77.4	.0407	.8277	19.23.4	K	9 12 „
18	21.415	20.88	79.6	52.86	78.8	.0544	.8205	19.18.9	K	10 12 „
19	20.385	20.97	81·9	52·51	80.4	.0559	.8166	19·12.6	K	11 12 „
20	19.013	20.91	83.3	52.36	82.0	.0549	.8150	19.16.6	K	Noon.
21	19.424	20.59	83.8	52.61	82.9	·0497	.8177	19.18.3	B	1 12 p. m.
22	20.659	19.95	83.9	52.85	83.2	.0391	.8204	19·20.7	B	2 12 „
23	21·071	19.75	83.9	52.66	83.7	.0359	.8183	19.20·3	B	3 12 „
Mar. 15th-Noon.	21.276	19.67	83.9	52.64	84.0	.0346	·8180	19.20.3	B	4 12 „
1	20.522	19.51	83.4	52.51	83.4	.0320	.8166	19.20.1	C	5 12 „
2	20.933	19.27	82.4	52.83	83.0	.0281	.8201	19.22.1	C	6 12 „
3	20.453	19.45	81.7	52.93	82.2	.0310	.8211	19.22.1	C	7 12 „
4	20.728	19.42	81.3	53.05	82.0	.0305	.8226	19·22.7	C	8 12 „
5	20.865	19.45	81.2	53.05	81.8	.0310	.8226	19.22.7	K	9 12 „
6	20.796	19·34	80.7	52·91	81.5	.0292	.8210	19.23.3	K	10 12 „
7	21·139	19.27	79·8	53.03	81·0	.0281	.8223	19.23.0	K	11 12 „
8	21.139	19.18	79.2	53.01	80.4	·0262	.8221	19.23.1	K	Midnight.
9	20.933	19.21	78.8	53.01	80.2	·0271	.8221	19.23.0	B	1 12 a. m.
10	20.933	19.35	78.5	53.09	79.5	.0293	·8230	19.23.1	B	2 12 „
11	21.139	19.25	78.0	53·10	79.4	.0277	.8231	19·23.0	B	3 12 „
12	21.002	19.30	77·7	53.21	78.5	.0285	.8243	19.23·6	B	4 12 „
13	20.522	19.27	77.5	53.30	78.2	.0281	.8253	19·24.2	C	5 12 „
14	21.276	19.31	77.0	53'44	77.9	.0287	.8268	19.24.5	C	6 12 „
15	22.032	19.53	77.1	53.42	77.7	.0323	.8266	19.24.1	C	7 12 „
16	23.609	19.82	77·7	53.26	78·1	.0370	.8249	19.22.8	C	8 12 „
17	23.746	20.55	79.0	52.96	78.8	.0490	.8216	19·19.9	K	9 12 „
18	22·444	21.00	80.7	52.39	79.8	.0564	.8153	19.16.6	K	10 12 „
19	20.179	21.34	82.0	52.03	81.0	.0613	.8113	19.16.5	K	11 12 „
20	19.356	21.18	83.8	52·16	82·0	.0577	.8128	19.15.4	K	Noon.
21	18.875	20.70	84.7	52.55	83.2	.0515	.8171	19.17.7	B	1 12 p. m.
22	19.287	20.35	84.9	52.67	83.7	.0457	.8184	19.19.0	B	2 12 „
23	21.139	19.87	84.8	53.14	84·6	.0368	.8235	19.22 3	B	3 12 „
Mar. 16th-Noon.	21.482	19.62	84·7	52.87	84.9	.0337	.8206	19.21.5	B	4 12 „
1	21.688	19.44	84.5	52.74	84·7	.0309	.8191	19.21.3	C	5 12 „
2	20.796	19.51	83.6	52.82	84.0	·0320	.8200	19.21.5	C	6 12 „
3	20.933	19.37	83.0	53.03	83·5	.0297	.8223	19.22.7	C	7 12 „
4	22.374	19.06	82.7	53.21	83·0	.0246	.8243	19.23.9	C	8 12 „
5	22.101	18.92	82.5	53.09	83·0	.0222	·8230	19.24.0	K	9 12 „
6	22.237	18.89	82·0	53.08	82.5	.0218	.8229	19.23.9	K	10 12 „
7	22.305	18.85	81.6	53.06	82.0	.0211	.8227	19.24.1	K	11 12 „
8	21.276	18.82	81.2	52.95	81·8	.0206	.8215	19.23.6	K	Midnight.
9	20·796	19.17	80.4	52.85	81.5	.0264	.8204	19.22.4	B	1 12 a. m.
10	20.933	19.04	79.9	52.92	80.8	.0243	.8211	19·23.0	B	2 12 „
11	20.522	19.09	79.4	53.02	80.5	.0251	.8222	19.23.2	B	3 12 „

On the 14th, at about 18h. 48m., Dip as obtained by Observation was 19°08'3.

DAILY OBSERVATIONS FROM 16TH TO 20TH MARCH 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Mar. 16th—12	20°522	19.06	78°9	53.01	80°2	8.0246	2.8221	19°23′2	B	4 12 a.m.
13	20.728	19.15	78.7	53.17	79.9	.0260	.8239	19.22.8	C	5 12 ,,
14	21.002	19.11	78·5	53.26	79.7	.0254	.8249	19.24.3	C	6 12 ,,
15	21.758	19.08	78.1	53.73	79.2	.0249	.8300	19.26.3	C	7 12 ,,
16	24.776	19.17	78.8	53.88	79.4	.0264	.8317	19.26.9	C	8 12 ,,
17	25.326	19.34	80.2	53·68	80·1	.0292	.8295	19.25.6	K	9 12 ,,
18	24.432	19.80	81.8	53.28	81.1	.0317	.8251	19.22·9	K	10 12 ,,
19	22.718	20.05	82.8	52.78	82.0	.0408	.8196	19.20.2	K	11 12 ,,
20	20.247	20.15	8·36	52.58	82.7	.0424	.8174	19.19.1	K	Noon.
21	19.630	20.42	84.2	52.83	83.4	.0469	.8201	19·19.6	B	1 12 p.m.
22	20.247	19.71	84.6	53.08	84·2	.0353	.8229	19.22.2	B	2 12 ,,
23	21.139	19.54	84.7	53.19	84.7	.0325	.8241	19.23.0	B	3 12 ,,
Mar. 17th-Noon.	21.688	19.27	84.0	53.14	74.5	.0281	·8235	19.23.5	B	4 12 ,,
1	21.758	19.16	83.0	53.15	83.3	.0262	.8237	19.23.8	C	5 12 ,,
2	21·415	19·07	82.0	53.21	82.9	.0248	.8243	19.24.1	C	6 12 ,,
3	22.237	18.71	81.4	53.56	82.1	.0189	·8282	19.26.2	C	7 12 ,,
4	23.335	18.85	81.0	53.00	81.9	.0211	.8220	19.23·8	C	8 12 ,,
5	22.923	18.59	80.8	53·16	81.4	.0154	.8238	19.25.2	K	9 12 ,,
6	22.581	18.61	80.7	53.21	81.0	.0172	.8243	19.25.2	K	10 12 ,,
7	21.688	18.73	80.2	53.22	80·7	.0192	.8244	19.24.9	K	11 12 ,,
8	21.482	18.95	80.0	53.21	80.4	.0227	.8243	19.24.4	K	Midnight.
9	21.551	18.80	79.4	53.32	79.9	.0203	.8255	19.25.3	B	1 12 a.m.
10	21·688	18.75	79·1	53.37	79.8	.0195	·8261	19.25.4	B	2 12 ,,
11	20.796	18.92	78.9	53.33	79.4	.0222	.8256	19.25.0	B	3 12 ,,
12	20.385	18.93	78.4	53.28	79.3	.0224	.8251	19.24.7	B	4 12 ,,
13	21.071	19.03	78·4	53.40	79.0	.0241	.8264	19.25.0	C	5 12 ,,
14	21.758	18.99	78.0	53.86	78.9	.0234	.8315	19.23.2	C	6 12 ,,
15	24.159	19.13	78.0	54·41	78.7	.0257	.8375	19.29.1	C	7 12 ,,
16	23.884	19.42	78.6	54.52	79.0	.0305	.8387	19.29.0	C	8 12 ,,
17	24.846	19.99	79.4	54·43	79.2	.0398	.8377	19.27.4	K	9 12 ,,
18	23.473	20·54	80.2	53.55	80.0	.0489	.8281	19.22.4	K	10 12 ,,
19	21.071	20.55	80.6	53.27	80.6	.0490	.8250	19.21.3	B	11 12 ,,
20	19·287	20.37	81.1	53·23	81.0	.0461	.8245	19.21.5	K	Noon.
21	19.566	20.44	81.6	53.70	81.6	.0473	.8297	19·23.4	B	1 12 p. m.
22	20.385	20.09	81.9	54.02	82·2	.0415	.8332	19.25.3	B	2 12 ,,
23	21.619	19.81	81.9	54.10	82.5	·0369	.8341	19.26.4	B	3 12 ,,
Mar. 20th-Noon.	20.728	20.00	83·5	53.57	84.2	.0400	.8283	19.23.7	B	4 12 ,,
1	20.385	19.90	83.0	53.48	83.4	.0383	.8273	19.23.6	C	5 12 ,,
2	20.042	19.68	82·3	53.67	82.9	.0347	.8294	19.24.7	C	6 12 ,,
3	20.385	19.45	81.8	53.82	82.4	.0310	.8310	19.26.0	C	7 12 ,,
4	20.659	19.33	81·5	53.56	82.0	.0290	·8282	19.25.0	C	8 12 ,,
5	20.453	19.31	81.5	53.52	82.0	.0287	.8277	19.24.9	K	9 12 ,,
6	20.453	19.18	81·0	53.30	81.6	·0265	.8253	19.24.3	K	10 12 ,,
7	20.728	19.20	80.6	53.34	81.4	.0269	.8257	19.24.5	K	11 12 ,,
8	20.865	19.23	80.6	53.44	81.2	.0274	.8268	19.24.8	K	Midnight.
9	20.933	19.23	80.5	53.32	81.2	.0274	.8255	19.24.4	B	1 12 a. m.
10	20.865	19.24	80.3	53.32	81.2	.0276	.8255	19.24.3	B	2 12 ,,
11	20.728	19.17	80.3	53.33	81.0	.0264	.8256	19.24.5	B	3 12 ,,
12	20.590	19.14	79.8	53.40	80.6	.0259	.8264	19.24·7	B	4 12 ,,
13	20.659	19.05	79.1	53.51	80.3	.0244	.8276	19.25.5	C	5 12 ,,
14	21.139	19.08	78.5	53.63	80.0	.0249	.8289	19.25.8	C	6 12 ,,
15	22.787	19.35	78.7	53.72	79·6	.0293	.8299	19·25.7	C	7 12 ,,
16	24.502	19·76	79.1	53.65	80.0	.0361	.8293	19.24.5	C	8 12 ,,
17	25·943	20.36	80.2	53.12	80.8	.0459	.8233	19·21.0	K	9 12 ,,
18	25.600	20·95	81.8	52·55	81·8	.0555	.8171	19·17.2	K	10 12 ,,
19	22·923	21.31	83·8	52.31	83.8	.0615	.8144	19.15.4	K	11 12 ,,
20	20.522	21.53	87.0	52.20	86.5	.0651	.8132	19.14.5	K	Noon.
21	20.453	21·39	89·2	52.48	87.6	.0628	.8163	19.16.0	B	1 12 p.m.
22	20.933	20.75	89.2	52.85	87.8	.0523	.8204	19.19.0	B	2 12 ,,
23	21.208	20.16	88.4	52.89	88.0	.0468	.8208	19.19.9	B	3 12 ,,

On the 17th, at about 18h. 48m., Dip as obtained by Observation was 19°07′5.

DAILY OBSERVATIONS FROM 21ST TO 23RD MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAR. 21ST-Noon.	21·482	20.16	87·5	52.93	87·6	8.0410	2.8212	19°20'8	B	4 12 p. m.
1	21.208	19.87	86.4	52.85	87.0	.0379	.8204	19.20.9	C	5 12 „
2	20.385	19.64	85.0	52.78	86.0	.0341	.8196	19.21.1	C	6 12 „
3	20.865	19.37	84.0	53.09	85.2	.0297	.8230	19.23.0	C	7 12 „
4	21.071	19.08	83.6	53.14	84.7	.0249	.8235	19.23.8	C	8 12 „
5	21.276	18.78	83.2	53.13	84.2	.0200	.8234	19.24.4	K	9 12 „
6	22.101	19.03	82.7	53.12	84.0	.0241	.8233	19.23.9	K	10 12 „
7	21.482	18.97	82.7	53.11	83.8	.0231	.8232	19.23.9	K	11 12 „
8	21.415	19.34	82.7	53.03	83.5	.0292	.8223	19.22.8	K	Midnight.
9	21.071	19.16	82.2	53.38	83.2	.0262	.8262	19.24.6	B	1 12 a. m.
10	21.208	19.17	82.0	53.55	82.9	.0264	.8281	19.25.4	B	2 12 „
11	20.865	19.15	82.2	53.58	82.6	.0260	.8284	19.25.5	B	3 12 „
12	20.728	19.04	81.9	53.62	82·3	.0243	.8288	19.26.0	B	4 12 „
13	20.590	19.08	81.6	53.70	82.2	.0249	.8297	19.26.2	C	5 12 „
14	21.139	19.15	82.0	53.90	82.0	.0260	.8319	19.26.9	C	6 12 „
15	22.512	19.13	82.0	53.86	81.9	.0257	.8315	19.26.8	C	7 12 „
16	24.502	19.65	82.4	53.76	82.1	.0342	.8304	19.25.3	C	8 12 „
17	25.257	20.26	83.2	53.48	82.5	.0443	.8273	19.22.8	K	9 12 „
18	24.021	20.52	84.0	53.20	83.2	.0485	.8243	19.20·9	K	10 12 „
19	22.305	20.90	85.0	52.57	84.0	.0547	.8173	19.17.4	K	11 12 „
20	20.316	20.69	85.5	52.74	84.5	.0513	.8191	19.18.7	K	Noon.
21	21.110	20.69	85.6	52.90	85.0	.0513	.8209	19.19.4	B	1 12 p. m.
22	20.385	20.50	86.4	52.92	85.6	.0482	.8211	19.19.9	B	2 12 „
23	20.728	20.19	86.6	52.88	86.0	.0431	.8207	19.20.4	B	3 12 „
MAR. 22ND-Noon.	20.590	19.83	86.2	52.89	86.2	.0372	.8218	19.21.6	B	4 12 „
1	20.042	19.70	85.8	52.78	85.8	.0351	.8196	19.20.9	C	5 12 „
2	20.453	19.48	84.9	52.90	85.0	.0315	.8209	19.21.8	C	6 12 „
3	20.865	19.20	84.0	53.36	84.3	.0269	.8260	19.24.5	C	7 12 „
4	20.865	19.16	83.9	53.44	84.6	.0262	.8268	19.24.9	C	8 12 „
5	21.276	19.16	83.5	53.11	83.5	.0262	.8232	19.23.5	K	9 12 „
6	21.415	18.97	83.2	53.25	83.2	.0231	.8248	19.24.6	K	10 12 „
7	21.551	19.14	83.0	53.59	83.0	.0259	.8285	19.25.6	K	11 12 „
8	21.276	19.22	82.8	53.60	82.8	.0272	.8286	19.25.5	K	Midnight.
9	21.276	19.22	82.6	53.60	82.8	.0272	.8286	19.25.5	B	1 12 a. m.
10	21.208	19.21	82.3	53.43	82.6	.0271	.8267	19.24.7	B	2 12 „
11	21.071	19.25	81.9	53.38	82.5	.0277	.8262	19.24.4	B	3 12 „
12	21.002	19.20	81.6	53.47	82.2	.0269	.8272	19.24.9	B	4 12 „
13	20.728	19.29	81.1	53.56	82.0	.0284	.8282	19.25.2	C	5 12 „
14	20.728	19.36	81.0	53.56	82.0	.0295	.8282	19.24.9	C	6 12 „
15	21.619	19.45	81.2	53.83	81.7	.0310	.8311	19.26.0	C	7 12 „
16	22.787	19.80	81.0	54.01	81.9	.0367	.8331	19.26.0	C	8 12 „
17	23.540	20.43	82.4	53.82	82.2	.0471	.8310	19.23.9	K	9 12 „
18	23.677	21.01	83.2	53.58	82.8	.0566	.8284	19.21.5	K	10 12 „
19	22.787	21.27	84.0	53.20	83.2	.0609	.8242	19.19.4	K	11 12 „
20	21.071	21.21	85·0	52.87	84.0	.0599	.8206	19.18.1	K	Noon.
21	20.042	20.92	85.3	52.94	84.8	.0550	.8213	19.19.0	B	1 12 p. m.
22	20.110	20.60	85.6	53.16	85.3	.0498	.8238	19.20.7	B	2 12 „
23	20.385	20.28	85.6	53.25	85.6	.0446	.8248	19.21·7	B	3 12 „
MAR. 23RD-Noon.	20.590	20.00	85.0	53.17	85.6	.0400	.8239	19.22.4	B	4 12 „
1	20.385	19.89	84.4	53.05	85.0	.0382	.8226	19.21.8	C	5 12 „
2	20.042	19.78	83.8	53.09	84.7	.0364	.8230	19.22.2	C	6 12 „
3	20.110	19.60	82.9	53.32	84.0	.0334	.8257	19.23.7	C	7 12 „
4	20.316	19.56	82.4	53.32	83.4	.0328	.8255	19.23.6	C	8 12 „
5	20.590	19.41	82.0	53.39	83.0	.0304	.8263	19.24.1	K	9 12 „
6	20.385	19.40	81.5	53.48	82.8	.0302	.8273	19.25.6	K	10 12 „
7	20.316	19.43	81.2	53.57	82.4	.0307	.8283	19.24.9	K	11 12 „
8	20.796	19.41	81.0	53.59	82.2	.0304	.8285	19.25.1	K	Midnight.
9	20.933	19.43	80.9	53.64	81.9	.0307	.8290	19.25.2	B	1 12 a. m.
10	20.796	19.50	80.5	53.63	81.6	.0318	.8289	19.24.9	B	2 12 „
11	21.002	19.40	80.0	53.54	81.2	.0302	.8279	19.24.8	C	3 12 „

On the 21st, at about 18h. 48m., Dip as obtained by Observation was 19°05'0.

DAILY OBSERVATIONS FROM 23RD TO 25TH MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAR. 23RD—12	20·522	19.55	80°0	53.58	81°0	8.0326	2.8284	19°24′6	C	4 12 a. m.
13	20.453	19.55	80.2	53.67	81.0	.0326	.8294	19.25.0	K	5 12 „
14	20·622	19.54	80.0	54.02	80.8	·0325	.8332	19.26.5	K	6 12 „
15	22.032	19.66	80.0	54.19	80·8	.0344	.8351	19.27.2	B	7 12 „
16	23.677	19.92	80.1	54.03	81.0	.0386	.8333	19.24.8	B	8 12 „
17	23.267	20.28	80.9	53.57	81.6	.0446	·8283	19.23.0	C	9 12 „
18	22.923	20.70	82.9	53.47	82.3	.0515	.8272	19.21.6	C	10 12 „
19	22.168	20.63	84.0	53.17	83.0	.0498	.8239	19.20.7	K	11 12 „
20	21.439	20.24	84.8	53.51	83.8	.0440	·8276	19.22.9	K	Noon.
21	20.728	20·12	85.2	53.54	84.8	.0419	.8279	19.23.2	B	1 12 p. m.
22	20.590	19.98	85.2	53.70	85.0	.0396	.8297	19.24.3	B	2 12 „
23	20.728	19.84	85.0	53.69	85.1	·0374	.8296	19.24.6	C	3 12 „
MAR. 24TH-Noon.	21.276	19.46	84.7	53.72	85.0	.0312	.8299	19.25.5	C	4 12 „
1	21.276	19.21	84.2	53.54	84.5	.0271	.8279	19.25.2	K	5 12 „
2	21.208	18.77	83.4	53.63	84.2	.0199	.8289	19.26.5	K	6 12 „
3	21.482	18.37	83·0	53.83	83.6	.0133	.8311	19.28.3	B	7 12 „
4	20.933	18.62	82.9	53.79	83.6	.0173	.8307	19.27.7	B	8 12 „
5	21.071	18.60	82.5	53.58	83·6	.0170	.8284	19.26.7	C	9 12 „
6	21.482	18.59	81.9	53.62	83.0	.0169	.8288	19.26.9	C	10 12 „
7	21.619	18·87	81.7	53.40	82.8	.0215	.8264	19.25.2	K	11 12 „
8	21.345	18.90	81.4	53.90	82.6	.0219	.8313	19.27.4	K	Midnight.
9	21.071	18.87	81.6	53.83	82.6	.0215	.8311	19.27.1	B	1 12 a. m.
10	20.728	18.82	81.5	53.76	82.1	.0206	.8304	19.27.0	B	2 12 „
11	21.139	18.97	81.2	53.78	82.1	.0231	.8306	19.26.8	B	3 12 „
12	21.071	18.82	80.9	53.87	81.7	.0206	·8316	19·27·5	B	4 12 „
13	21.415	18.78	80.5	53.83	81.5	.0200	.8311	19.27.4	C	5 12 „
14	21.619	18.81	80.0	53.91	81.1	.0205	.8320	19.27.7	C	6 12 „
15	23.198	19.07	79.7	54·03	81·0	.0248	.8333	19.27·6	C	7 12 „
16	22·787	19.22	80.0	53.90	81.0	.0272	·8319	19.26.8	C	8 12 „
17	23.130	19.75	81.2	53·73	81.8	·0359	.8300	19·24.9	K	9 12 „
18	22.374	20.26	83.2	53.33	82.8	.0443	.8256	19.22.2	K	10 12 „
19	21·208	20.20	84.2	53.05	83.5	.0433	.8226	19.21.1	K	11 12 „
20	19.973	20.27	85.4	53.00	84.0	.0445	.8220	19.20.6	K	Noon.
21	19.904	20.23	85.9	53.30	85.0	.0438	.8253	19.22.1	B	1 12 p. m.
22	19.630	20.19	86.5	53.42	85.6	.0431	.8266	19·22·6	B	2 12 „
23	20.385	19.90	86.5	53·46	86·0	.0383	.8271	19·23.5	B	3 12 „
MAR. 25TH-Noon.	20.385	19·66	86.2	53.36	85.9	.0344	.8260	19.23.6	B	4 12 „
1	20.316	19.40	85·6	53.29	85.7	.0302	.8252	19.23.8	C	5 12 „
2	20.316	19.27	84.9	53.32	85.0	.0281	.8255	19.24.3	C	6 12 „
3	20.522	19.06	84.3	53.50	84·9	.0246	.8275	19.25.3	C	7 12 „
4	21.276	18.85	83.8	53.63	84·3	.0211	.8289	19.26.4	C	8 12 „
5	21.208	18.85	83.6	53.32	84.0	.0211	.8365	19.29.4	K	9 12 „
6	20.933	19·00	83·6	54.37	83.9	·0236	.8371	19.29·2	K	10 12 „
7	21.209	19.05	83.6	54.41	83·7	.0244	.8375	19.29.4	K	11 12 „
8	21.551	18.99	83·5	54·10	83.4	·0234	.8341	19.28.2	K	Midnight.
9	22.101	18.89	83.2	54.10	83.2	.0218	.8341	19.28·3	B	1 12 a. m.
10	21.895	19.06	83.2	54.10	83·2	.0246	.8341	19.27.9	B	2 12 „
11	22.101	18.99	83.2	54.15	83.2	.0234	.8347	19.28.5	B	3 12 „
12	21.895	19.02	82.9	54.14	83.0	.0239	.8345	19.28.3	B	4 12 „
13	21.895	19.08	82.8	54·11	83.0	.0249	.8342	19.27.9	C	5 12 „
14	22.718	19·09	82.7	54.28	82.9	.0257	.8361	19.28.5	C	6 12 „
15	23.540	19.28	82.8	54.28	82.7	.0282	·8361	19.28.3	C	7 12 „
16	23.746	19.38	83.0	54.09	82.9	.0298	.8340	19.27.3	C	8 12 „
17	24.021	20.00	83.8	53.80	83.2	.0400	.8308	19.24.7	K	9 12 „
18	23.060	20·35	84.7	53.32	84.0	.0457	.8255	19.21.9	K	10 12 „
19	20.590	20.30	85.5	53.14	84.6	.0449	·8235	19.21.2	K	11 12 „
25	19.836	20.20	86.4	53.32	85.5	.0433	.8255	19.22.3	K	Noon.
21	19.630	19.60	86·9	53.51	86.2	.0334	.8276	19·24.3	B	1 12 p. m.
22	20.590	19.20	87.2	53.60	86.8	.0269	.8286	19.24.2	B	2 12 „
23	21.002	18.97	87.4	53.74	87.2	.0231	.8301	19.25.3	B	3 12 „

On the 24th, at about 19h., Dip as obtained by Observation was 19°06′5.
On the 25th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 27TH TO 29TH MARCH 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAR. 27TH-Noon.	21'688	19.25	86°5	53.55	86°3	8.0277	2.8281	19°25'2	C	4 12 p. m.
1	20.522	18.88	86.0	53.49	86.3	.0216	.8274	19.25.6	C	5 12 „
2	20.933	18.27	85.8	53.81	86.0	.0117	.8309	19.28.3	C	6 12 „
3	21.482	18.49	85.2	54.43	86.0	.0153	.8377	19.30.6	C	7 12 „
4	22.581	18.20	85.0	54.65	85.6	.0105	.8402	19.32.1	C	8 12 „
5	22.101	18.21	84.8	54.46	85.4	.0107	.8381	19.31.3	K	9 12 „
6	21.415	18.62	84.5	54.47	85.0	.0173	.8382	19.30.5	K	10 12 „
7	21.071	19.00	84.2	54.24	84.8	.0236	.8356	19.28.7	K	11 12 „
8	21.345	18.90	84.0	54.30	84.5	.0219	.8363	19.29.1	K	Midnight.
9	21.139	18.87	83.8	54.34	84.5	.0215	.8367	19.29.3	B	1 12 a. m.
10	21.345	18.83	83.4	54.35	84.2	.0208	.8369	19.29.5	B	2 12 „
11	21.345	19.22	83.2	54.37	84.0	.0272	.8371	19.28.8	B	3 12 „
12	21.688	19.07	83.1	54.42	83.9	.0248	.8376	19.29.2	B	4 12 „
13	21.826	19.08	82.9	54.33	83.7	.0249	.8366	19.28.8	C	5 12 „
14	22.237	18.95	82.5	54.42	83.5	.0227	.8376	19.29.5	C	6 12 „
15	22.444	18.79	82.5	54.49	83.0	.0202	.8384	19.30.2	C	7 12 „
16	22.512	19.22	82.9	54.31	83.1	.0272	.8364	19.28.5	C	8 12 „
17	22.374	19.46	83.8	54.31	83.7	.0212	.8364	19.28.0	K	9 12 „
18	20.796	19.94	84.6	54.12	84.0	.0390	.8343	19.26.2	K	10 12 „
19	19.767	19.95	85.6	54.01	85.0	.0391	.8331	19.25.7	K	11 12 „
20	18.327	19.92	86.2	54.27	85.5	.0386	.8360	19.26.8	K	Noon.
21	18.327	19.60	86.6	54.04	86.3	.0334	.8334	19.26.6	B	1 12 p. m.
22	19.767	19.11	86.8	54.40	86.6	.0254	.8374	19.29.1	B	2 12 „
23	20.522	19.29	86.8	54.43	87.0	.0284	.8377	19.29.0	B	3 12 „
MAR. 28TH-Noon.	20.865	18.12	86.1	54.26	86.9	.0091	.8359	19.30.7	B	4 12 „
1	20.522	18.79	85.3	54.11	86.1	.0202	.8342	19.28.6	C	5 12 „
2	20.042	18.73	84.7	54.16	85.5	.0192	.8348	19.29.0	C	6 12 „
3	20.659	18.82	84.0	54.40	84.9	.0206	.8374	19.29.7	C	7 12 „
4	21.276	19.01	83.7	54.46	84.7	.0238	.8381	19.29.6	C	8 12 „
5	21.139	19.08	83.5	54.43	84.4	.0249	.8377	19.29.3	K	9 12 „
6	20.933	19.29	83.2	54.37	84.0	.0284	.8371	19.28.7	K	10 12 „
7	20.728	19.23	83.2	54.43	83.8	.0274	.8377	19.29.1	K	11 12 „
8	21.071	19.16	83.1	54.49	83.8	.0262	.8384	19.29.4	K	Midnight.
9	20.933	19.12	82.9	54.25	83.8	.0255	.8358	19.28.5	B	1 12 a. m.
10	21.208	19.19	82.4	54.29	83.5	.0267	.8362	19.28.4	B	2 12 „
11	21.551	18.96	82.0	54.34	83.2	.0229	.8367	19.29.2	B	3 12 „
12	21.415	18.83	82.5	54.30	82.8	.0208	.8363	19.29.3	B	4 12 „
13	21.551	18.95	81.0	54.55	82.7	.0227	.8391	19.30.1	C	5 12 „
14	22.237	18.93	81.0	55.02	82.2	.0224	.8442	19.32.2	C	6 12 „
15	24.021	19.23	81.3	55.06	82.0	.0274	.8446	19.31.8	C	7 12 „
16	24.776	19.45	81.9	55.01	82.2	.0310	.8441	19.31.1	C	8 12 „
17	24.021	20.21	82.8	54.18	82.8	.0435	.8350	19.25.9	K	9 12 „
18	22.101	20.53	84.0	53.83	83.7	.0487	.8311	19.23.6	K	10 12 „
19	19.013	20.65	84.7	53.84	84.5	.0506	.8312	19.23.4	K	11 12 „
20	17.778	20.36	85.4	54.26	85.3	.0459	.8359	19.25.9	K	Noon.
21	17.778	20.99	86.4	54.59	86.2	.0415	.8395	19.27.8	N	1 12 p. m.
22	18.258	19.99	86.8	54.59	87.0	.0398	.8395	19.28 1	N	2 12 „
23	19.904	19.65	86.9	54.61	87.0	.0342	.8397	19.29.0	N	3 12 „
MAR. 29TH-Noon.	20.659	19.31	86.5	54.51	87.0	.0287	.8386	19.29.1	N	4 12 „
1	20.522	19.10	85.6	54.44	86.8	.0252	.8378	19.29.3	C	5 12 „
2	20.110	18.79	84.7	54.56	86.0	.0202	.8492	19.30.5	C	6 12 „
3	20.522	18.91	83.9	54.65	85.1	.0221	.8402	19.30.6	C	7 12 „
4	20.522	18.89	83.6	54.79	84.8	.0218	.8417	19.31.3	C	8 12 „
5	21.688	18.86	83.4	54.83	84.2	.0213	.8421	19.31.6	K	9 12 „
6	21.619	18.70	83.0	54.78	84.0	.0187	.8416	19.31.6	K	10 12 „
7	21.415	18.92	82.8	54.61	83.6	.0222	.8397	19.30.5	K	11 12 „
8	21.482	18.85	82.2	54.52	83.4	.0211	.8387	19.30.3	K	Midnight.
9	21.826	18.85	81.9	54.67	82.9	.0211	.8404	19.30.9	B	1 12 a. m.
10	21.345	19.10	81.5	54.68	82.5	.0252	.8405	19.30.4	B	2 12 „
11	20.796	19.04	81.0	54.73	82.2	.0243	.8410	19.30.8	B	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS FROM 29TH TO 31ST MARCH 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Mar. 29th—12	21·551	18.78	80·3	54.70	81·8	8.0200	2.8407	19°31'2	B	4 12 a. m.
13	21.208	19.08	79.6	54.77	81.5	.0249	.8415	19.30.8	C	5 12 „
14	22.512	19.01	79.4	55.02	81.0	·0238	.8442	19.32.0	C	6 12 „
15	24.021	18.97	80.0	55.11	81.0	.0231	.8452	19.32.5	C	7 12 „
16	24.432	19.48	80.8	54.83	81.6	.0315	.8421	19.30.1	C	8 12 „
17	24.432	19·91	81.7	54·57	82.2	.0385	.8393	19·30·1	K	9 12 „
18	23.473	20.17	83.3	54.09	83.0	.0428	.8340	19·25.6	K	10 12 „
19	21.619	19.97	84.5	53.76	83.7	.0395	.8304	19.24·5	K	11 12 „
20	20.042	19·95	85.0	53.88	84.4	.0391	.8317	19.25.3	K	Noon.
21	19·630	19.63	85.5	54.07	85.1	.0339	.8338	19.26.7	N	1 12 p. m.
22	19.973	19.49	86.0	54.27	85.8	.0317	.8360	19·27.7	N	2 12 „
23	21.139	19.32	86.2	54.29	86.2	.0288	.8362	19.28.1	N	3 12 „
Mar. 30th-Noon.	21.139	19.22	86.0	54.14	86.5	.0272	.8345	19.27.9	N	4 12 „
1	20.659	19·10	85.6	54·08	86.2	.0252	.8339	19.27·8	C	5 12 „
2	20.933	19.01	84.8	54.24	85.6	.0238	.8356	19.28.7	C	6 12 „
3	21.139	18.52	84.1	54.49	85.0	.0157	·8384	19.30.7	C	7 12 „
4	21.895	18.16	84.0	54·43	84.9	.0098	.8377	19.31.3	C	8 12 „
5	21.895	18.58	84.0	54.34	84.8	.0167	.8367	19.30.0	K	9 12 „
6	22.649	18.46	83.8	54.39	84.5	.0148	.8373	19.30.4	K	10 12 „
7	22.032	19.03	83.7	54.43	84.2	.0141	.8377	19.29.5	K	11 12 „
8	22.237	18.74	83.2	54.48	84.0	.0194	.8383	19.30.3	K	Midnight.
9	22.444	18·52	82.9	54.61	83.6	.0157	.8397	19.31.3	B	1 12 a. m.
10	22·101	18.53	82.4	54.50	83.4	.0159	.8385	19.30.8	B	2 12 „
11	21.758	18.47	82.2	54.58	83.4	.0150	.8394	19 31.2	B	3 12 „
12	21.071	18.66	81.9	54.50	83.2	.0180	.8385	19.30.6	B	4 12 „
13	21.071	18·88	81·8	54.59	83.0	.0216	.8395	19.30.4	C	5 12 „
14	21.963	18.91	81.9	54.81	82.9	.0221	.8419	19.31.3	C	6 12 „
15	23.473	18.67	81.9	54.83	82.8	.0182	.8421	19 32.0	C	7 12 „
16	24.021	19.11	82.1	54.55	83.0	.0254	.8391	19.29.8	C	8 12 „
17	23.816	19.41	83.5	54.26	83.6	.0304	.8359	19 28.0	K	9 12 „
18	22.581	19.87	84.6	53.83	84.4	.0379	.8311	19.25.1	K	10 12 „
19	20.042	19.81	85.3	53.58	85·4	.0369	.8284	19.24.1	K	11 12 „
20	18·532	19.90	86.3	53.88	86.1	.0383	.8317	19·25.4	K	Noon.
21	18·052	20.03	87.3	53.96	87.0	.0405	.8326	19.25.3	C	1 12 p. m.
22	19.424	19.72	87.9	54.35	87·5	.0354	.8369	19·27·6	C	2 12 „
23	20.179	19.27	87.8	54.29	88.0	.0281	.8362	19.28.3	K	3 12 „
Mar. 31st—Noon.	20.522	19.05	87.6	54.50	88.2	.0244	.8385	19·29·8	K	4 12 „
1	19.699	19.15	87.0	53.96	88.0	.0260	.8326	19·27·2	C	5 12 „
2	19.767	19.16	86.8	54.18	87.9	.0262	.8350	19·28·2	C	6 12 „
3	20.659	19.12	86.5	54.39	87.2	.0255	.8373	19.29.0	C	7 12 „
4	21.415	18.89	86.2	54.91	87.0	.0218	.8430	19·31·8	C	8 12 „
5	21.415	18.96	86.2	54.71	87.0	.0229	.8408	19·30·8	K	9 12 „
6	21.415	18.84	85.9	54·75	86.6	.0210	.8413	19·31·3	K	10 12 „
7	21.482	18.88	85.5	54.77	86.2	.0216	.8415	19·31·2	K	11 12 „
8	21.482	19.31	85.3	54.80	86.0	.0287	.8418	19·30·4	K	Midnight.
9	21.963	18.99	84.9	54.89	85.6	.0234	.8428	19·31·6	B	1 12 a. m.
10	21.895	19.26	84.5	54.86	85.4	.0279	.8425	19·30·9	B	2 12 „
11	21.482	19.05	84.4	54.94	85.3	.0244	.8433	19·31·7	B	3 12 „
12	21.482	19.12	84·2	54.96	85.2	.0255	.8436	19·31.5	B	4 12 „
13	21.276	19.13	84.2	55.00	85.0	.0257	.8440	19·31·7	C	5 12 „
14	21.482	19.23	84.1	54.98	85.0	.0274	.8438	19·31·5	C	6 12 „
15	22·718	19.47	84.5	55.04	84.8	.0314	.8444	19·31·2	C	7 12 „
16	23.609	19.80	84.7	54.86	85.0	.0367	.8425	19·29.7	C	8 12 „
17	23.404	20.32	85.1	54.47	85.5	.0452	.8382	19·27·8	K	9 12 „
18	22.305	20.61	86.1	54.18	86.0	.0500	.8350	19·25·1	K	10 12 „
19	20.728	20.30	87.1	54.25	86·8	.0449	.8358	19·26·0	K	11 12 „
20	19.767	20.52	88.2	54.43	87.6	.0485	.8377	19.26·2	K	Noon.
21	19.767	20.38	88.8	54.64	88.0	.0462	.8400	19.27·5	K	1 12 p. m.
22	20.385	19.63	89.4	54.78	88.5	.0339	.8416	19.29·7	C	2 12 „
23	21.415	19.03	89.0	54.67	89.0	.0241	.8404	19.30·5	C	3 12 „

On the 31st, at about 18h. 30m., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS FROM 1ST TO 4TH APRIL 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
APR. 1ST-Noon.	21·551	18.88	88·3	54.67	89·0	8.0216	2.8407	19°30'9	K	4 12 p. m.
1	20.865	18.88	88.2	54.31	88.8	.0216	.8364	19.29.1	C	5 12 ,,
2	20.453	18.54	87.2	54.49	88·2	.0161	.8384	19.30.7	C	6 12 ,,
3	21.758	18.30	86.5	54.76	87.9	.0121	.8414	19.32.4	C	7 12 ,,
4	21.758	18.38	86.0	54.74	87.2	.0134	.8411	19.32.2	C	8 12 ,,
5	21.688	18.86	86.0	54.73	87.0	.0213	.8410	19.31.2	K	9 12 ,,
6	21.895	18.72	85.7	54.90	86.5	.0190	.8429	19.32.1	K	10 12 ,,
7	21.895	19.07	85.7	54.70	86.5	.0248	.8407	19.30.5	K	11 12 ,,
8	21.551	19.27	85.5	54.69	86.3	.0281	.8406	19.30.1	K	Midnight.
9	21.758	19.10	85.2	54.70	86.0	.0252	.8407	19.30.5	B	1 12 a. m.
10	21.551	19.08	85.0	54.75	85.6	.0249	.8413	19.30.7	B	2 12 ,,
11	21.345	19.04	84.5	54.83	85·5	.0243	.8421	19 31.2	B	3 12 ,,
12	21.071	19.01	84.2	54.92	85.3	.0238	.8431	19.31.6	B	4 12 ,,
13	20.385	19.29	83.9	54.87	85.0	.0284	.8426	19.30.9	C	5 12 ,,
14	20.863	19.28	83.8	55.05	84.9	.0282	.8446	19.31.7	C	6 12 ,,
15	22.787	19.41	83.8	55.21	84.5	.0304	.8463	19.32.0	C	7 12 ,,
16	23.609	19.75	84.3	54.96	84.8	.0359	.8436	19.30.2	C	8 12 ,,
17	23.609	20.37	85.5	54.62	85.3	.0461	.8398	19.27.4	K	9 12 ,,
18	22.854	20.61	86.2	54.42	85.5	.0500	.8376	19.26.0	K	10 12 ,,
19	21.139	20.55	86.8	54.28	86.0	.0490	.8361	19.25.5	K	11 12 ,,
20	19.081	20.30	87.2	54.42	86·5	.0449	.8376	19.26.6	K	Noon.
21	18.464	20.07	87.4	54.68	87.0	.0412	.8405	19.28.4	C	1 12 p. m.
22	19.013	19.85	87.7	54.78	87.8	.0375	.8416	19.29.2	C	2 12 ,,
23	19.904	19.65	88.1	54.66	88.5	.0342	.8403	19.29.2	B	3 12 ,,
APR. 3RD-Noon.	20.179	20.10	88.7	54.37	89.6	.0416	.8371	19.26.8	B	4 12 ,,
1	19.699	19.91	88.5	54.33	89.5	.0385	.8367	19.27.1	B	5 12 ,,
2	19.630	19.66	87.8	54.52	89.0	.0344	.8387	19.28.6	B	6 12 ,,
3	19.699	19.50	87.0	54.65	87.8	.0318	.8402	19.29.3	B	7 12 ,,
4	20.522	19.37	85.5	54.77	87.4	.0300	.8415	19.30.2	B	8 12 ,,
5	20.659	19.49	85.2	54.81	87.0	.0317	.8419	19.30.0	C	9 12 ,,
6	20.728	19.42	85.4	54.85	86.7	.0305	.8424	19.30.4	C	10 12 ,,
7	21.071	19.48	85.7	54.86	87.0	.0315	.8425	19.30.3	C	11 12 ,,
8	21.071	19.40	85.7	54.82	86.8	.0302	.8420	19.30.4	C	Midnight.
9	21.208	19.57	85.4	54.89	86·4	.0330	.8428	19.30.3	K	1 12 a. m.
10	21.208	19.57	85.2	54.68	86.0	.0330	.8405	19.29.4	K	2 12 ,,
11	20.865	19.61	84.5	54.67	85·8	.0336	.8404	19.29.2	K	3 12 ,,
12	20.316	19.53	84.0	54.65	85·5	.0323	.8402	19.29.3	K	4 12 ,,
13	20.042	19.61	83.5	54.75	85.1	.0336	.8413	19.29.6	B	5 12 ,,
14	20.179	19.20	84.3	54.86	85.2	.0269	.8425	19.31.0	B	6 12 ,,
15	21.415	19.97	84.5	55.33	85.0	.0395	.8476	19.31.2	B	7 12 ,,
16	22.787	20.39	84.8	55.30	85.0	.0464	.8473	19.30.3	B	8 12 ,,
17	23.130	21.12	85.9	54.85	85.6	.0583	.8425	19.27.0	C	9 12 ,,
18	21.758	21.41	86.4	54.48	86.0	.0632	.8383	19.25.1	C	10 12 ,,
19	19.836	21.53	87.1	54.21	87.0	.0651	.8353	19.24.2	C	11 12 ,,
20	18.464	21.31	88.0	54 20	87.5	.0615	.8352	19.24.5	C	Noon.
21	18.532	21.00	88.7	54.44	88.0	.0564	.8378	19.25.3	K	1 12 p. m.
22	19.013	20.66	89.2	54.56	88.6	.0503	.8392	19.26.5	K	2 12 ,,
23	19.699	20.35	89.4	54.67	89.0	.0454	.8404	19.27.7	K	3 12 ,,
APR. 4TH-Noon.	20.179	20.16	89.2	54.70	89.2	.0426	.8407	19.28.2	K	4 12 ,,
1	20·590	20.03	89.0	54.61	89.5	.0405	.8397	19.27.1	B	5 12 ,,
2	20.590	19.77	87.9	54.58	88·7	.0363	.8394	19.28.5	B	6 12 ,,
3	20.453	19.63	87.2	54.75	87.8	.0339	.8413	19.29.6	B	7 12 ,,
4	20.247	19.61	86.6	54.77	87.2	.0336	.8415	19.29.7	B	8 12 ,,
5	20.728	19.72	86.5	54.81	87.0	.0354	.8419	19.29.3	C	9 12 ,,
6	20.796	19.67	86·4	54.70	86·8	.0347	.8407	19.28.9	C	10 12 ,,
7	20.796	19.71	86.1	54.59	86.7	.0353	.8395	19.28.7	C	11 12 ,,
8	20.933	19.73	86.0	54.73	86.1	.0356	.8410	19.29.2	C	Midnight.
9	21.345	19.66	85.8	54.68	86.0	.0344	.8405	19.29.3	K	1 12 a. m.
10	21.139	19.67	85.4	54.64	85.8	.0346	.8400	19.28.6	K	2 12 ,,
11	21.002	19.75	84.8	54.62	85.5	.0359	.8398	19.28.7	K	3 12 ,,

On the 1st, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 4TH TO 6TH APRIL 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.	°									h. m.
APR. 4TH—12	21'071	19.68	84°4	54.66	85°4	8.0347	2.8403	19°28'7	K	4 12 a. m.
13	20.522	19.70	84.0	54.55	85.0	.0351	.8391	19.28.5	B	5 12 „
14	20.865	20.02	84.0	54.79	84.6	.0403	.8417	19.29.0	B	6 12 „
15	22.101	20.14	84.4	54.69	84.8	.0423	.8406	19.28.2	B	7 12 „
16	23.130	20.25	84.8	54.45	85.0	.0441	.8380	19.27.0	B	8 12 „
17	22.581	20.73	85.7	54.09	85.6	.0520	.8340	19.24.4	C	9 12 „
18	21.551	21.07	86.9	53.81	86.1	.0576	.8309	19.22.4	C	10 12 „
19	20.356	21.11	87.1	53.71	87.0	.0582	.8298	19.22.0	C	11 12 „
20	18.121	20.99	88.0	53.73	87.5	.0562	.8300	19.22.3	C	Noon.
21	19.013	20.68	89.0	53.95	88.2	.0511	.8325	19.24.0	K	1 12 p. m.
22	19.424	20.47	89.5	53.93	89.2	.0478	.8322	19.24.2	K	2 12 „
23	20.590	20.31	90.2	54.05	90.0	.0451	.8336	19.25.1	K	3 12 „
APR. 5TH—Noon.	20.933	20.20	90.6	53.91	90.4	.0433	.8320	19.24.8	K	4 12 „
1	19.836	20.05	89.9	53.88	90.2	.0408	.8317	19.25.0	C	5 12 „
2	20.042	19.85	88.6	53.96	89.6	.0375	.8326	19.25.7	C	6 12 „
3	20.316	19.52	87.7	54.41	88.6	.0321	.8375	19.28.3	B	7 12 „
4	20.865	19.20	87.2	54.34	88.1	.0269	.8367	19.28.7	B	8 12 „
5	20.865	19.19	86.9	54.34	87.6	.0267	.8366	19.28.6	C	9 12 „
6	20.865	19.26	86.7	54.40	87.4	.0279	.8374	19.28.8	C	10 12 „
7	20.796	19.44	86.3	54.41	87.0	.0309	.8375	19.28.5	C	11 12 „
8	21.002	19.61	86.0	54.49	87.0	.0336	.8384	19.28.4	C	Midnight.
9	21.551	19.55	86.0	54.60	86.8	.0326	.8396	19.29.0	K	1 12 a. m.
10	21.551	19.54	85.8	54.55	86.5	.0325	.8391	19.28.8	K	2 12 „
11	21.551	19.57	85.5	54.51	86.2	.0330	.8386	19.28.6	K	3 12 „
12	20.933	19.75	85.3	54.43	86.0	.0359	.8377	19.27.9	K	4 12 „
13	20.659	19.62	85.2	54.70	86.0	.0337	.8407	19.29.4	B	5 12 „
14	21.276	19.62	84.8	54.73	85.9	.0337	.8410	19.29.5	B	6 12 „
15	21.826	19.65	84.8	54.67	85.6	.0342	.8404	19.29.2	B	7 12 „
16	22.305	20.13	85.4	54.32	85.8	.0421	.8365	19.26.6	B	8 12 „
17	21.826	20.79	86.0	54.03	86.0	.0530	.8333	19.24.0	C	9 12 „
18	21.139	21.16	86.6	53.87	86.6	.0590	.8316	19.22.5	C	10 12 „
19	19.493	21.48	87.9	53.57	87.4	.0643	.8283	19.21.6	C	11 12 „
20	17.915	21.28	88.8	53.60	88.0	.0610	.8286	19.22.1	C	Noon.
21	18.121	20.94	89.0	53.96	88.6	.0554	.8326	19.23.4	K	1 12 p. m.
22	18.875	20.73	89.4	54.23	89.0	.0520	.8355	19.25.0	K	2 12 „
23	19.836	20.53	89.8	54.29	89.5	.0487	.8362	19.25.5	K	3 12 „
APR. 6TH—Noon.	20.522	20.26	89.2	54.22	89.7	.0443	.8356	19.26.1	K	4 12 „
1	20.659	20.08	88.7	54.10	89.8	.0413	.8341	19.25.9	C	5 12 „
2	19.973	19.97	88.0	54.08	89.0	.0395	.8339	19.25.9	C	6 12 „
3	19.699	19.80	87.2	54.12	88.0	.0367	.8343	19.26.5	B	7 12 „
4	20.522	19.74	86.7	54.39	87.5	.0358	.8373	19.27.4	B	8 12 „
5	20.796	19.38	86.5	54.51	87.1	.0298	.8386	19.29.0	C	9 12 „
6	21.619	19.22	86.1	54.48	86.6	.0272	.8383	19.29.3	C	10 12 „
7	21.276	19.52	85.9	54.50	86.3	.0321	.8385	19.28.7	C	11 12 „
8	21.415	19.60	85.6	54.53	86.1	.0334	.8388	19.28.7	C	Midnight.
9	21.276	19.67	85.2	54.38	86.0	.0346	.8372	19.27.7	K	1 12 a. m.
10	21.415	19.65	85.0	54.37	85.8	.0342	.8371	19.27.9	K	2 12 „
11	21.071	19.63	84.8	54.45	85.5	.0337	.8380	19.28.3	K	3 12 „
12	20.933	19.66	84.7	54.51	85.2	.0344	.8386	19.28.5	K	4 12 „
13	20.728	19.63	84.0	54.36	84.6	.0339	.8370	19.27.9	B	5 12 „
14	20.522	19.50	83.8	54.54	84.6	.0311	.8389	19.28.8	B	6 12 „
15	21.963	19.47	84.1	54.78	84.6	.0314	.8416	19.30.1	B	7 12 „
16	23.130	19.85	84.6	54.82	84.8	.0375	.8420	19.29.4	B	8 12 „
17	23.404	20.73	85.2	54.41	85.0	.0525	.8375	19.25 6	C	9 12 „
18	22.854	20.83	86.1	54.05	86.0	.0536	.8336	19.24.0	C	10 12 „
19	20.522	20.50	86.9	53.69	86.4	.0482	.8296	19.23.2	C	11 12 „
20	18.601	20.63	87.7	53.74	87.0	.0503	.8301	19.23.1	C	Noon.
21	18.944	20.29	88.3	53.88	87.8	.0449	.8317	19.24.4	K	1 12 p. m.
22	19.630	19.96	88.8	54.05	88.4	.0393	.8336	19.25.9	K	2 12 „
23	19.767	19.82	89.0	54.17	89.0	.0370	.8349	19.26.7	K	3 12 „

On the 4th, at about 18h. 45m., Dip as obtained by Observation was 19°0'.

DAILY OBSERVATIONS FROM 7TH TO 10TH APRIL 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Apr. 7th-Noon.	20·453	19.50	88°9	54.28	89°2	8.0318	2.8361	19°27·7	K	4 12 p. m.
1	20·453	19.47	88.3	54.12	89.1	.0114	.8343	19.27.2	C	5 12 „
2	21.208	18.87	87.6	54.26	88.7	.0215	.8359	19.29.0	C	6 12 „
3	21.415	18.55	77.0	54.36	87·7	.0162	.8370	19.30.2	C	7 12 „
4	21·415	18·73	86·5	54·42	87.4	.0192	.8376	19.30·1	C	8 12 „
5	21.071	18.93	86·1	54.43	87.0	.0224	.8377	19.29.7	B	9 12 „
6	21.071	19.06	85·8	54.47	86·7	.0246	.8382	19.29.4	B	10 12 „
7	21·415	19.39	85.5	54.54	86.4	.0300	.8389	19.29.1	B	11 12 „
8	21.276	19.27	85.2	54.53	86.1	.0280	.8388	19.29·4	B	Midnight.
9	21.415	19.20	85.0	54.57	85.8	.0269	.8393	19.29.9	K	1 12 a. m.
10	21·139	19.20	84.8	54.65	85.5	.0269	.8402	19.30.0	K	2 12 „
11	21.139	19·20	84.4	54.61	85.2	.0269	.8397	19.29.9	K	3 12 „
12	20.453	19·19	84·2	54.65	85·0	.0267	.8402	19.30.0	K	4 12 „
13	20.385	19.31	83.8	54.76	84·5	.0287	.8414	19.30.2	B	5 12 „
14	20.590	19.41	83·5	54.85	84.2	.0304	.8424	19.30.4	B	6 12 „
15	21.895	19.50	83.7	55·14	84·0	.0318	.8455	19.31.5	B	7 12 „
16	23·540	19.83	84.4	55.01	84·4	.0372	.8441	19.30.3	B	8 12 „
17	24.295	20.50	85·5	54·65	85·1	.0482	.8402	19.27.3	C	9 12 „
18	24.363	20.94	86.6	54.18	86·0	.0554	.8350	19.24.4	C	10 12 „
19	21.482	21.01	87.7	53.50	86.7	.0566	.8275	19.21·2	C	11 12 „
20	18.327	21.09	88.0	53·64	87·7	.0579	.8390	19.25.5	C	Noon.
21	18.327	20.72	88.5	54.30	88·2	.0518	.8363	19.25.2	K	1 12 p. m.
22	18.875	20.41	88.8	54·46	88.8	.0467	.8381	19.26.6	K	2 12 „
23	19.973	19.90	88.8	54.62	89.1	.0383	.8398	19.28.5	K	3 12 „
Apr. 8th-Noon.	20.933	19.63	88.2	54.53	89.2	.0339	.8388	19.28·6	K	4 12 „
1	20.179	19.58	87.7	54.29	89.0	.0331	.8362	19.27.6	C	5 12 „
2	19.630	19.50	87·0	54.26	88.5	.0318	.8359	19.27.7	C	6 12 „
3	20·453	19.26	86·7	54.24	88.0	.0279	.8356	19.28.2	B	7 12 „
4	21.345	19.19	86.3	54·31	87.5	.0267	.8364	19.28.5	B	8 12 „
5	21.415	18·97	86.1	54·37	87.2	.0231	.8371	19.29.3	C	9 12 „
6	21·276	19.06	85.9	54.29	86.9	.0246	.8351	19.28.3	C	10 12 „
7	21.276	19.29	85.5	54·37	86.5	.0284	.8360	19.28.3	C	11 12 „
8	21·415	19.34	85.3	54.43	86·0	.0292	.8366	19.28.3	C	Midnight.
9	21.482	19.33	85.2	54·46	86.0	.0290	.8381	19·28.9	K	1 12 a. m.
10	21·139	19.35	85·0	54.37	85·8	.0293	.8371	19.28.5	K	2 12 „
11	20·796	19.38	84.7	54·42	85.5	.0298	.8374	19.28.4	K	3 12 „
12	20.522	19.38	84·6	54.46	85·3	.0298	.8381	19·28.8	K	4 12 „
13	19.836	19.29	84.4	54.65	85.1	.0284	.8402	19.29·9	B	5 12 „
14	20.385	19.49	84.1	54.92	84.6	.0317	.8431	19.30.5	B	6 12 „
15	21·551	19.48	84.1	54.99	84.7	.0315	.8439	19.30.8	B	7 12 „
16	22·787	19.61	84.5	54·81	85.1	.0335	.8419	19.29.8	B	8 12 „
17	22·923	20.22	85.5	54.23	86·0	.0436	.8355	19.26.1	C	9 12 „
18	22·649	20.49	86.5	54·05	86·6	.0481	.8336	19.24.7	C	10 12 „
19	20·865	20.56	87.5	53·77	87.6	.0492	.8305	19.23.4	C	11 12 „
20	18·807	20·46	88.5	53·73	88.0	.0476	.8300	19.23.4	C	Noon.
21	18.601	20.26	89.2	53.96	88.8	.0443	.8326	19.24.9	K	1 12 p. m.
22	19.218	19.85	89.2	53.71	89·1	·0375	.8298	19.24.6	K	2 12 „
23	19.904	19.67	89.0	54.29	89.5	.0346	.8362	19.27.3	K	3 12 „
Apr. 10th-Noon.	20.796	19·71	88·6	54·08	90·0	.0352	.8339	19.26.5	B	4 12 „
1	20.522	19.41	87·8	53.99	89·5	.0303	.8329	19.26.8	B	5 12 „
2	20.110	19.31	87.0	54.02	89.0	.0286	.8332	19.27.0	B	6 12 „
3	20.933	19.22	86.6	54.30	88.4	.0272	.8363	19.28.5	B	7 12 „
4	20.590	19.28	86.2	54·28	87.8	.0282	.8361	19.28.3	B	8 12 „
5	20.659	19.34	85·9	54·38	87.5	.0292	.8372	19.28.5	C	9 12 „
6	20.659	19.35	85.5	54.08	87.0	.0293	.8339	19.27.3	C	10 12 „
7	20·865	19.25	85·0	54·11	86.9	.0277	.8342	19.27.6	C	11 12 „
8	20.865	19.46	84.9	54.17	86.5	.0312	.8349	19.27.5	C	Midnight.
9	21.415	19.43	84.7	54.18	86.0	.0307	·8350	19.27.6	K	1 12 a. m.
10	21.071	19.55	84.5	54.17	85.8	·0326	.8349	19.27.2	K	2 12 „
11	21.139	19.47	84.8	54.27	85.5	.0314	.8360	19.27.9	K	3 12 „

DAILY OBSERVATIONS, FROM 10TH TO 12TH APRIL 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
APR. 10TH—12	20·865	19.30	83°8	54.21	85°2	8.0285	2.8353	19°27·9	K	4 12 a. m.
13	21·139	19.37	84.5	54.30	85·1	.0297	·8363	19·28.1	B	5 12 „
14	21.563	19.51	84.4	54.50	85.0	.0320	·8385	19.28.7	B	6 12 „
15	23.130	19.50	84.7	54·74	85.0	.0318	·8413	19.29.8	B	7 12 „
16	23.473	19.85	85.4	54.41	85.4	.0375	·8374	19.29.5	B	8 12 „
17	23.060	20.62	86.0	53.97	86.0	.0501	.8327	19.24.2	C	9 12 „
18	20.728	21.05	86.7	53.37	86.7	.0572	·8261	19.20.6	C	10 12 „
19	17.641	21.29	87.5	53.42	87.2	·0609	·8266	19.21.3	C	11 12 „
20	16.612	21.16	87.9	53.70	87.8	.0590	.8297	19.21.8	C	Noon.
21	17.298	20.74	88.0	53.94	88.1	.0522	.8323	19.23.7	K	1 12 p. m.
22	17.915	20.36	88.1	54.26	88.5	·0459	.8359	19.25.9	K	2 12 „
23	18.944	19.83	88.0	54.31	88.8	.0372	·8364	19.27.2	K	3 12 „
APR. 11TH—Noon.	20.522	19.58	87.8	54.38	88.8	.0331	.8372	19.28.0	K	4 12 „
1	20.522	19.51	87.3	54.34	88.6	.0321	.8367	19·27.9	B	5 12 „
2	20.796	19.31	86.5	54.36	88·0	.0287	·8370	19.28.5	B	6 12 „
3	21.002	19.10	86.0	54.51	87.5	·0252	.8386	19·29·6	B	7 12 „
4	21.826	19.03	85.6	54.57	87.2	·0241	·8393	19·30.1	B	8 12 „
5	21.619	19.11	85.3	54.50	86.5	.0254	.8385	19·29.6	C	9 12 „
6	20.728	19.34	85.2	54.47	86.5	·0292	.8382	19·28.9	C	10 12 „
7	21.071	19.40	85.0	54.49	86.2	.0302	·8384	19·28·9	C	11 12 „
8	20.728	19.49	84.9	54.18	86.0	·0314	.8350	19.27.6	C	Midnight.
9	21.002	19.54	84.5	54.32	85.7	.0325	.8365	19·27.8	K	1 12 a. m.
10	21.208	19·49	84.2	54.35	85.5	.0317	.8369	19.28.0	K	2 12 „
11	20.933	19.51	84·0	54.32	85.2	.0321	.8365	19.27·9	K	3 12 „
12	21.415	19.53	83.8	54.34	84.8	·0323	.8367	19.28·0	K	4 12 „
13	20.865	19.52	83.8	54.44	84.6	·0321	·8378	19.28·4	B	5 12 „
14	21.551	19.54	84.1	54.56	84.7	·0325	.8392	19.28.8	B	6 12 „
15	23.335	19.59	84.4	54.69	84.8	·0333	.8406	19.29.5	B	7 12 „
16	24.021	20.02	84.9	54.50	85·1	.0403	·8385	19·27.6	B	8 12 „
17	23.609	20.48	85.6	54.07	85.6	·0479	.8338	19.24·9	C	9 12 „
18	22.032	21.07	86.5	53.69	86.4	·0576	.8296	19.22·3	C	10 12 „
19	19.630	21.35	87.3	53.32	87.2	·0621	·8255	19.20·8	C	11 12 „
20	18.052	21.44	88.0	53.29	87.9	.0637	.8242	19·20·0	C	Noon.
21	17.709	20.86	88.5	53.50	88.4	.0541	.8275	19·21.6	K	1 12 p. m.
22	17.572	20.72	89.0	53.72	89·0	.0518	·8299	19·22.7	K	2 12 „
23	18·395	20.32	89.0	53.98	89.4	.0469	.8328	19·24·6	K	3 12 „
APR. 12TH—Noon.	19.424	20.08	89.0	54.01	89.7	.0413	.8331	19.25.5	K	4 12 „
1	20.659	19.90	88.6	53.99	90.0	·0383	·8329	19.25·8	C	5 12 „
2	20.385	19.73	88.0	53.89	89.4	.0356	·8318	19·25·6	C	6 12 „
3	20·247	19.41	87.2	54.04	88.5	·0304	·8334	19.27.0	B	7 12 „
4	20.316	19.60	86.7	54.13	87.8	·0334	.8344	19.27·6	B	8 12 „
5	20.247	19.61	86.3	54.13	87.5	·0336	.8344	19.27.0	B	9 12 „
6	20.590	19.56	86.0	54.20	87.3	.0328	·8352	19·27.3	C	10 12 „
7	20.522	19.57	85.9	54.23	86.9	.0330	·8355	19·27.5	C	11 12 „
8	20.865	19.46	85.5	54.26	86.7	·0312	·8359	19.27.9	C	Midnight.
9	21.415	19.50	85.0	54.31	86.3	·0318	.8364	19.27.8	K	1 12 a. m.
10	21.071	19.52	85.0	54.34	86.0	·0321	·8367	19.28.0	K	2 12 „
11	20.865	19.68	84.8	54.37	85.7	.0347	·8371	19.27·7	K	3 12 „
12	20.659	19.61	84.5	54.67	85.5	·0336	·8404	19·29·2	K	4 12 „
13	20.522	19.60	84.2	54.46	85.2	.0334	.8381	19·28·4	B	5 12 „
14	21.276	19.45	84.2	54.50	85.0	.0310	·8385	19.28·9	B	6 12 „
15	23.267	19.72	84.3	54.73	85.0	·0354	·8410	19.29.3	B	7 12 „
16	24.983	19.99	84.8	54.55	85.1	.0398	.8391	19·27.9	B	8 12 „
17	25.051	20.56	85.6	53·97	85·9	·0492	.8327	19·24.3	C	9 12 „
18	22.991	20.80	86.5	53.37	86.3	.0531	·8261	19.21.1	C	10 12 „
19	20.316	21.10	87.4	52.98	87.0	.0580	.8218	19.08.9	C	11 12 „
20	17·778	21.10	87.9	53.00	87.7	·0580	.8220	19.19.0	C	Noon.
21	17.023	20.74	88.7	53.53	88.2	.0522	.8259	19·21.3	K	1 12 p. m.
22	17.366	20.56	89.0	53.52	89.0	.0492	·8277	19·22.3	K	2 12 „
23	18.053	20·29	89.6	53.79	89.5	·0448	.8307	19·24.0	K	3 12 „

On the 11th, at about 19h. 30m., Dip as obtained by Observation was 19°05'6.

DAILY OBSERVATIONS FROM 13TH TO 15TH APRIL 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Apr. 13th-Noon.	19°28′7	20.07	89°6	53.87	89°8	8.0412	2.8316	19°24′9	K	4 12 p. m.
1	21.071	19.46	89.0	54.00	89.9	.0312	.8330	19.26.8	C	5 12 ,,
2	20.865	18.96	88.2	53.78	89.2	.0229	.8306	19.26.8	C	6 12 ,,
3	20.316	19·27	87·7	53.98	88.5	.0281	.8328	19.27.1	B	7 12 ,,
4	20.522	19.28	87.3	54.05	87.8	.0282	.8336	19.27.4	B	8 12 ,,
5	20.385	19.42	87.0	54.08	87.5	.0305	.8339	19.27.1	C	9 12 ,,
6	20.659	19.42	86.8	54.07	87.4	.0305	.8338	19.27.1	C	10 12 ,,
7	21.002	19.28	86.4	54.16	87.0	.0282	.8348	19.27.9	C	11 12 ,,
8	20.865	19.31	86.1	54.26	86.9	.0287	.8359	19.28.1	C	Midnight.
9	21.071	19.27	86.0	54·25	86.8	.0281	.8358	19.28.3	K	1 12 a. m.
10	20.385	19.40	85.8	54.10	86.8	.0302	.8341	19.27.3	K	2 12 ,,
11	20.865	19.40	85·5	54.20	86.5	.0302	.8352	19.27.7	K	3 12 ,,
12	20.110	19.52	85.4	54.39	86.2	.0321	.8373	19.28·2	K	4 12 ,,
13	20.659	19.38	85.2	54.63	86.2	.0297	.8399	19.29.5	B	5 12 ,,
14	22.101	19.20	85.1	54.89	86.2	.0269	.8428	19.30.1	B	6 12 ,,
15	23.746	19.29	85.2	54.68	86.0	.0300	.8405	19.29.8	B	7 12 ,,
16	23.404	19.84	85.6	54.24	86.2	.0374	.8356	19.27.0	B	8 12 ,,
17	22.787	20.30	86.4	53.88	86.8	.0449	.8317	19.24.4	C	9 12 ,,
18	20.728	20.63	87.4	53.48	87.4	.0503	.8273	19.22.0	C	10 12 ,,
19	17.641	20.83	88.0	53·41	88.0	.0536	.8265	19.21·2	C	11 12 ,,
20	16.131	20.82	88.9	53.61	88.5	.0534	.8287	19.22.2	C	Noon.
21	16.612	20.64	89.5	53.93	89.0	.0505	.8322	19.23.8	K	1 12 p. m.
22	18.258	20.63	90.0	54.29	89.5	.0503	.8262	19.25.4	K	2 12 ,,
23	19.904	20.17	90.2	54.35	90.0	.0428	.8369	19.26.6	K	3 12 ,,
Apr. 14th-Noon.	21.071	19.87	90.2	54.36	90.4	.0379	.8370	19.27.4	K	4 12 ,,
1	21.415	19.62	89.7	54.01	90.7	.0337	.8331	19.26.4	C	5 12 ,,
2	21.345	19.35	88·8	53.97	90.0	.0293	.8327	19.26.9	C	6 12 ,,
3	21.963	18.77	87.5	54.28	89.2	.0199	.8361	19.29.3	B	7 12 ,,
4	21.345	18.92	87.6	54.26	88.5	.0222	.8359	19.29.0	B	8 12 ,,
5	21.688	19.25	86.8	54.28	88·1	.0277	.8361	19.28.3	C	9 12 ,,
6	21.071	19.45	86.5	54.28	87.8	.0310	.8361	19.27.9	C	10 12 ,,
7	20.865	19.52	86.4	54.33	87.6	.0321	·8366	19.27.9	C	11 12 ,,
8	20.933	19.40	86.0	54.42	87.2	.0302	.8376	19.28.6	C	Midnight.
9	21.415	19.44	85.8	54.38	86.8	.0309	.8372	19.28.3	K	1 12 a. m.
10	21.345	19.45	85.5	54.40	86.7	.0310	.8374	19.28.4	K	2 12 ,,
11	21.139	19.44	85.2	54.44	86.4	.0309	.8378	19.28.6	K	3 12 ,,
12	21.071	19.42	84.9	54.41	86.2	.0305	.8375	19.28.5	K	4 12 ,,
13	21.071	19.33	84.5	54.49	85.6	.0290	.8384	19.29.0	B	5 12 ,,
14	22.032	19.36	84.5	54.87	85.5	.0295	.8426	19.30.6	B	6 12 ,,
15	23.884	19.35	84.6	54.99	85·5	.0293	.8439	19.31.2	B	7 12 ,,
16	24.226	19.43	85.2	54.62	85.6	.0307	.8398	19.29.4	B	8 12 ,,
17	23.130	20.05	86.0	54.13	86.1	.0408	.8344	19.26.0	C	9 12 ,,
18	21.002	20.32	86.8	53.93	87.0	.0452	.8322	19.24.5	C	10 12 ,,
19	18.875	20.29	86.9	53.94	87.2	.0448	.8323	19.24.6	C	11 12 ,,
20	17.709	20.30	87.8	54.13	87.8	.0449	.8344	19.25.4	C	Noon.
21	18.189	20.09	88.2	54.41	88.2	.0415	.8375	19.27.0	K	1 12 p. m.
22	19.013	19.96	88.6	54.51	88.8	.0393	.8386	19.27.8	K	2 12 ,,
23	20.110	19.72	88.6	54.60	89.2	.0354	.8396	19.28.7	K	3 12 ,,
Apr. 15th-Noon.	20.796	19.57	88.5	54.53	89.4	.0330	.8388	19.28.7	K	4 12 ,,
1	21.139	19.41	87.6	54.48	89.3	.0304	.8383	19.28.9	C	5 12 ,,
2	20.933	19.31	86·9	54.51	88.6	.0287	.8386	19.29.1	C	6 12 ,,
3	20.796	19.28	86.0	54.58	87.5	.0282	.8394	19.29.6	B	7 12 ,,
4	20.522	19.35	85.8	54.66	86.9	.0293	.8403	19.29.8	B	8 12 ,,
5	20.659	19.53	85.5	54.75	86.4	.0323	.8411	19.29.7	C	9 12 ,,
6	20.659	19.46	85.3	54.73	86.0	.0302	.8410	19.30.0	C	10 12 ,,
7	20.933	19.46	85.0	54.73	85.9	.0312	.8410	19.29.9	C	11 12 ,,
8	21.071	19.36	84.9	54.87	85.8	.0295	.8426	19.30.6	C	Midnight.
9	20.728	19.38	84.7	54.47	85.6	.0298	.8382	19.28.8	K	1 12 a. m.
10	21.276	19.42	84.5	54.56	85.4	.0305	.8392	19.29.1	K	2 12 ,,
11	20.522	19.34	84.2	54.40	85.0	.0292	.8374	19.28.6	K	3 12 ,,

On the 14th, at about 19h. 45m., Dip as obtained by Observation was 19°05′0.

DAILY OBSERVATIONS FROM 15TH TO 18TH APRIL 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Apr. 15th—12	20·522	19.21	83°8	54.44	84°8	8·0271	2.8378	19°29′1	K	4 12 a. m.
13	20.659	19·29	83.4	54.53	84.4	.0284	.8388	19.29·4	B	5 12 „
14	21.895	19.35	83.4	54.79	84.5	·0293	·8417	19.30·4	B	6 12 „
15	23.540	19.28	83.6	54.79	84.5	.0282	.8417	19.30·6	B	7 12 „
16	24·159	19.80	84.2	54.30	85·0	.0367	.8363	19.27.2	B	8 12 „
17	22.854	20.43	85.2	53.67	85.6	.0471	.8294	19.23.2	C	9 12 „
18	21.139	20·82	86.2	53.80	86.1	.0534	.8308	19.23·0	C	10 12 „
19	18.464	20.88	87.1	53.27	87·0	.0544	.8250	19.20.7	C	11 12 „
20	17.298	20.70	87.3	53.50	87·6	.0515	.8275	19.21.8	C	Noon.
21	17·229	20.42	87.8	53.83	87.8	.0469	.8311	19.23.9	K	1 12 p. m.
22	18.395	20.17	88.0	53.85	88.2	.0428	.8314	19.24.5	K	2 12 „
23	19.150	19.86	87.6	53.83	88.4	.0377	.8311	19·25.1	K	3 12 „
Apr. 17th-Noon.	19.218	20.23	87·5	54.17	89.0	·0438	.8349	19.25.8	B	4 12 „
1	20.179	19.98	86.8	54.66	88.5	.0396	.8403	19.28.4	B	5 12 „
2	20.247	19.81	86.0	54.69	88.0	.0369	.8406	19.28.9	B	6 12 „
3	20·385	19.78	85.1	55.04	87.4	.0364	.8440	19.30.4	B	7 12 „
4	20.453	19·70	84.5	55.06	86.6	.0351	.8447	19.30.8	B	8 12 „
5	20.590	19.60	84.3	55.25	86·1	.0334	.8468	19.31.8	C	9 12 „
6	20.796	19.66	84.3	55.15	86.0	.0344	.8457	19.31.4	C	10 12 „
7	21.415	19.65	84.1	55.09	85.8	.0342	.8450	19.31.1	C	11 12 „
8	21.688	19·66	83·9	55.31	85.3	.0344	.8474	19.31.9	C	Midnight.
9	21.688	19.59	83.6	55.45	85.0	.0333	.8490	19.32.7	K	1 12 a. m.
10	21.482	19.69	83·3	55.39	84.5	.0349	.8483	19.32.1	K	2 12 „
11	21·345	19.73	83.2	55.41	84.4	.0356	.8485	19.32.1	K	3 12 „
12	20.933	19.71	83.0	55.13	84.2	.0353	.8454	19.31·0	K	4 12 „
13	20.796	19.67	83.0	55.00	84.0	.0346	.8440	19.30.5	B	5 12 „
14	21·963	19·73	82.9	55.26	83.8	.0356	.8469	19.31.4	B	6 12 „
15	23.267	19.83	82.9	55.29	83.6	.0372	.8472	19.31.4	B	7 12 „
16	23.746	20.07	83.4	55.00	84.0	.0412	.8440	19.29.8	B	8 12 „
17	23.884	20.49	84.4	54.58	84·7	.0481	.8394	19.27.0	C	9 12 „
18	22.649	20.89	85.0	54.11	85.3	.0546	·8342	19.24.0	C	10 12 „
19	20.179	21.25	85.9	53.78	85.9	.0605	.8306	19.22.9	C	11 12 „
20	17.709	21.18	86.6	53.79	86.5	.0593	.8307	19.22.2	C	Noon.
21	16·886	20.92	87.2	53.91	87.0	.0550	·8320	19.23.2	K	1 12 p. m.
92	17.160	20.53	87.6	54.23	87.5	.0487	.8355	19.25.4	K	2 12 „
23	18.464	20.37	87.9	54.49	88.0	.0461	.8384	19.26.8	K	3 12 „
Apr. 18th-Noon.	20·110	20.10	87.6	54.66	88.6	.0416	.8403	19.28.1	K	4 12 „
1	20.659	19·83	87.2	54.60	88.2	.0372	.8396	19.28.5	C	5 12 „
2	20.796	19.48	86.5	54.89	87.9	.0315	·8428	19.30.4	C	6 12 „
3	21.415	19.10	85.8	54·80	87.3	.0252	.8418	19.30.8	B	7 12 „
4	21.551	18.98	85.3	54.85	86.6	.0232	.8424	19.31.4	B	8 12 „
5	21·551	19·11	85.1	54.84	86.2	·0254	.8422	19.31.0	C	9 12 „
6	21.415	19.09	85.3	54.88	85.9	.0251	.8427	19.31.3	C	10 12 „
7	21.071	19.21	85.0	54.91	85.7	.0271	.8430	19.31.2	C	11 12 „
8	21.139	19.33	84.6	55.06	85.4	.0290	·8447	19.31.6	C	Midnight.
9	21.345	19.33	84.2	55.16	85.2	.0190	.8458	19.32·0	K	1 12 a. m.
10	21.482	19.42	84.0	54.75	85.0	.0305	.8413	19.30.0	K	2 12 „
11	21.276	19.47	83.7	55.34	84.6	.0314	.8477	19.32.5	K	3 12 „
12	20.865	19.51	83.4	55.13	84.4	.0320	.8454	19.31.4	K	4 12 „
13	20.796	19.48	83.0	54.98	84.0	.0315	.8438	19.30.8	B	5 12 „
14	21.826	19.55	82.9	55.27	84.0	.0326	.8460	19.31.5	B	6 12 „
15	23 540	19.80	83·5	55.35	84.2	.0369	.8479	19.31.7	B	7 12 „
16	24.570	20.11	83.7	54.94	84.5	.0418	.8433	19·29.3	B	8 12 „
17	24.090	20.77	84·9	54.31	85.0	.0527	·8364	19.25.1	C	9 12 „
18	21.002	21.10	85.7	53.73	85.9	.0580	.8300	19.22.1	C	10 12 „
19	17.778	21.39	86.6	53.69	86.4	.0628	·8296	19.22.2	C	11 12 „
20	16.543	21.29	87.4	53.97	87.1	.0612	·8327	19.23.8	C	Noon.
21	15.926	20.75	88.0	54.35	87.7	.0523	.8369	19.25.4	K	1 12 p. m.
22	16.612	20.44	88.3	54.65	88.2	.0473	.8402	19.27.4	K	2 12 „
23	18.670	20.21	88.2	54.86	88.5	.0435	.8425	19.28.8	K	3 12 „

On the 15th, at about 19h. 20m., Deflection Observations were taken.
On the 18th, at about 19h., Dip as obtained by Observation was 19°07′8.

DAILY OBSERVATIONS FROM 19TH TO 21ST APRIL 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Apr. 19th-Noon.	20·728	19.74	88·0	55.01	88·6	8.0358	2.8441	19°30'4	K	4 12 p. m.
1	21.551	19.50	87.2	54.75	88.4	.0318	.8413	19.29.8	C	5 12 ,,
2	20.796	19.36	86.1	54.55	87.7	.0295	.8391	19.29.2	C	6 12 ,,
3	20.316	19.40	85.4	54·69	87.0	.0302	.8406	19.29.8	B	7 12 ,,
4	20.570	19.45	85.2	54.78	86.5	·0310	·8416	19.30.1	B	8 12 ,,
5	20.728	19.46	85.0	54.84	86.3	·0312	.8422	19·30.3	B	9 12 ,,
6	20.933	19.58	84.9	54.83	86.0	.0331	.8421	19.30.0	C	10 12 ,,
7	20.796	19.58	84.9	54.89	85.8	.0331	.8428	19.30.3	C	11 12 ,,
8	21.139	19.51	84.5	54.97	85.6	·0320	.8437	19.30.8	C	Midnight.
9	21.208	19.53	84.3	54.96	85.4	.0323	·8436	19.30.7	K	1 12 a. m.
10	21.071	19.62	84.0	55.50	85.0	.0337	.8385	19.28.5	K	2 12 ,,
11	21.345	19.59	83.8	54.84	84.7	.0333	.8422	19.30.0	K	3 12 ,,
12	21.071	19.63	83.8	54.84	84.7	.0339	.8422	19.29.9	K	4 12 ,,
13	21.071	19.34	83.2	54.93	84.4	.0295	.8432	19.30.8	B	5 12 ,,
14	22.444	19.49	82.8	55.21	83.8	.0317	.8463	19.31.7	B	6 12 ,,
15	23.816	19.54	83.0	55.29	83.8	.0325	.8472	19.31.9	B	7 12 ,,
16	24.846	20.01	83.6	54.98	84.3	.0402	.8438	19.29.8	B	8 12 ,,
17	24.570	20.58	84.8	54.30	85.0	.0495	.8363	19.25.5	C	9 12 ,,
18	21.415	21.11	85.9	53.68	85.9	.0582	.8295	19.21.9	C	10 12 ,,
19	18.464	21.35	86·8	53·50	86.5	.0621	.8275	19·21.5	C	11 12 ,,
20	16.612	21.27	87.3	53.73	87.0	.0609	.8300	19.22.7	C	Noon.
21	16.612	21.04	88.0	54.13	87.7	·0571	.8344	19.23.9	K	1 12 p. m.
22	16.955	20.84	88.0	54.24	88.0	.0538	.8356	19·24.8	K	2 12 ,,
23	17·846	20.49	88.0	54.50	88.3	.0481	.8385	19.26·7	K	3 12 ,,
Apr. 20th-Noon.	19.150	20.18	87.5	54.75	88.4	.0429	·8413	19.28.4	K	4 12 ,,
1	20.042	20.03	87.0	54.61	88.2	.0405	.8397	19.28.1	C	5 12 ,,
2	20.247	19.97	86.5	54.44	88.0	.0395	.8378	19.27.4	C	6 12 ,,
3	19.904	19.82	85.6	54.66	87.0	.0370	.8403	19.28.8	B	7 12 ,,
4	20.042	19.75	85.1	54.67	86.5	.0359	.8404	19·28.9	B	8 12 ,,
5	20.385	19.65	84.8	54.70	86.0	.0342	.8407	19.29.4	C	9 12 ,,
6	20.796	19·63	84.6	54·93	85.6	.0339	.8432	19.30.3	C	10 12 ,,
7	21·208	19.58	84·1	54.89	85·0	.0331	.8428	19.30.3	C	11 12 ,,
8	21.104	19.59	84.0	54.86	84.7	.0333	.8425	19.30.2	C	Midnight.
9	21.208	19.68	84.0	54.94	84.6	·0347	.8433	19.30.2	K	1 12 a. m.
10	21.002	19.58	83.8	54.93	84.2	.0331	·8432	19.30.4	K	2 12 ,,
11	21.071	19.61	83.3	55·00	84.2	.0336	.8440	19·30.7	K	3 12 ,,
12	20.865	19.65	83·1	55.03	84.1	.0342	.8443	19.30·8	K	4 12 ,,
13	20.933	19.69	82.9	55.02	83.9	.0349	.8442	19·30.5	B	5 12 ,,
14	21.826	19.85	82.8	55.21	83.5	.0375	.8463	19.31.0	B	6 12 ,,
15	23.404	20.18	83.3	55.16	83.8	.0429	.8458	19.30.2	B	7 12 ,,
16	24.432	20.63	83·8	54.87	84·1	.0503	.8426	19.28.0	B	8 12 ,,
17	23.540	21.29	84.6	54.36	84.9	.0612	.8370	19·25.4	C	9 12 ,,
18	21·688	21.80	85.5	53.96	85.3	.0695	.8326	19.22.5	C	10 12 ,,
19	19.356	21.82	86.0	53.88	86.0	.0698	.8317	19.22.2	C	11 12 ,,
20	17.709	21.63	86.7	53·94	86·6	.0667	.8323	19.22.8	C	Noon.
21	17.160	21.23	87.4	54.26	87.0	.0602	.8359	19.25.1	K	1 12 p. m.
22	17.778	20.64	87.6	54.67	87.2	.0505	.8404	19.27.0	K	2 12 ,,
23	19.013	20.21	87.6	54.88	87·6	.0435	.8427	19.28 9	K	3 12 ,,
Apr. 21st-Noon.	20.659	19.69	87.0	54.94	88.0	.0349	.8433	19.30.2	K	4 12 ,,
1	21.208	19.38	86.8	54.79	88·4	·.0298	.8417	19.30.3	C	5 12 ,,
2	20.796	19.01	85.2	54.60	87.6	·0238	.8396	19.30.2	C	6 12 ,,
3	19.904	18.54	85.2	54.77	87·0	.0161	.8415	19.32.0	B	7 12 ,,
4	21.758	18.07	85.2	54.74	86·4	.0084	.8467	19.31.2	B	8 12 ,,
5	24.295	16.80	84.9	55.54	86·3	7.9875	·8490	19.38.9	B	9 12 ,,
6	24.159	15.88	84·6	55.49	85.8	.9724	.8494	19.40.7	C	10 12 ,,
7	24.090	15.50	84.5	55.74	85.5	.9662	.8521	19.42.6	C	11 12 ,,
8	24.914	16.11	84.4	55.63	85·4	.9762	.8539	19.42.0	C	Midnight.
9	25·875	16.07	84.3	55.68	85.3	.9756	.8545	19.42.3	K	1 12 a. m.
10	24.985	17.16	84.2	55.47	85.0	.9934	.8492	19·37.9	K	2 12 ,,
11	24.776	17.24	84.1	55.15	85.0	.9948	.8457	19.36.4	K	3 12 ,,

DAILY OBSERVATIONS FROM 21ST TO 25TH APRIL 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civme. 1859.
h.										h. m.
Apr. 21st—12	24'570	16.87	84°1	55.15	84°9	7.9887	2.8457	19°37'2	K	4 12 a.m.
13	23.198	17.14	83.9	54.99	84.8	.9931	.8439	19.35.9	B	5 12 ,,
14	25.326	17.48	83·7	55.44	84.7	.9987	.8488	19.37.0	B	6 12 ,,
15	26.218	17.58	83.9	55.32	84.6	8.0003	.8475	19.36.4	B	7 12 ,,
16	26.218	17.36	84.5	55.02	84.8	7.9967	.8442	19.35.3	B	8 12 ,,
17	24.846	17.92	85.0	54·70	85·1	8.0058	.8407	19.33.0	C	9 12 ,,
18	22.787	18.28	86.0	54.38	85.9	.0118	.8372	19.30·7	C	10 12 ,,
19	21.002	18.39	86.7	54.27	86.2	.0136	.8360	19.30.1	C	11 12 ,,
20	19.356	18.53	87.0	54.21	86.9	.0159	.8353	19.29.6	C	Noon.
21	18.875	18.44	87.5	54.42	87.1	.0145	.8376	19·30.5	K	1 12 p.m.
22	19.081	18.28	87.9	54.48	87·6	.0115	.8383	19.31.2	K	2 12 ,,
23	19.561	18.22	88.0	54.49	88.0	.0108	.8384	19.31.4	K	3 12 ,,
Apr. 24th-Noon.	20.933	18.87	88.0	54.54	89.0	.0215	·8380	19.29.8	B	4 12 ,,
1	20.570	18.63	87.3	54.36	88.6	.0175	.8370	19.30.0	B	5 12 ,,
2	21·688	18·67	87.0	54.55	88.2	.0182	.8391	19.30.8	B	6 12 ,,
3	21.482	18.26	86.2	54.63	87.5	.0115	·8399	19.31.8	B	7 12 ,,
4	20.865	18.53	85.7	54.57	87.0	.0159	.8393	19.31·1	B	8 12 ,,
5	21.208	18.55	85.6	54·70	86.6	.0162	.8407	19.31.7	C	9 12 ,,
6	21.345	18.63	85.0	54.73	86.2	.0175	.8410	19.31.6	C	10 12 ,,
7	21.208	18.70	84.9	54.68	86·0	.0187	.8405	19.31.2	C	11 12 ,,
8	21.276	18.91	84.8	54.83	86.0	.0221	.8421	19.31.4	C	Midnight.
9	21.758	18.80	84.7	54.87	85.8	.0203	.8426	19.31.9	K	1 12 a.m.
10	21·963	18.77	84·6	54.93	85.5	.0199	·8432	19.32.1	K	2 12 ,,
11	21.551	19.15	84.5	54.92	85.4	.0260	.8431	19.31.3	K	3 12 ,,
12	21.551	19.10	84.2	54.86	85.3	.0252	.8425	19.31.2	K	4 12 ,,
13	21.619	18.91	84·2	54.91	85.2	.0221	.8431	19.31.8	B	5 12 ,,
14	22.923	19.04	84.1	55.10	85.0	.0243	.8451	19.32.4	B	6 12 ,,
15	23.473	19.02	84.4	55·40	85.1	.0239	.8484	19.33.6	B	7 12 ,,
16	23.540	19.50	84.7	54.15	85.5	.0318	.8456	19.31.5	B	8 12 ,,
17	22.237	20.11	86.3	54·59	86.4	.0418	.8395	19.27.8	C	9 12 ,,
18	20.522	20·30	87.2	54.45	87.0	.0449	.8380	19.26.8	C	10 12 ,,
19	18.738	20.33	88.5	54.24	88.0	.0454	.8356	19.25.9	C	11 12 ,,
20	17·366	19.94	89.0	54·33	88.9	.0390	.8366	19.27.0	C	Noon.
21	17.572	19.69	89.7	54.46	89.2	.0349	.8381	19·28.1	K	1 12 p.m.
22	18.738	19.70	90.0	54.77	89·8	.0351	.8415	19.29.5	B	2 12 ,,
23	19.699	19.49	90.1	54.81	90.2	·0317	.8419	19.30.0	K	3 12 ,,
Apr. 25th-Noon.	20.179	19.29	90·2	54.92	90.6	.0284	.8409	19.30.2	K	4 12 ,,
1	21.139	18.93	89·6	54.60	90.6	.0224	.8396	19.30.4	C	5 12 ,,
2	21.208	19.07	89·0	54.71	90.1	.0248	.8408	19.30.5	C	6 12 ,,
3	20.933	18.83	88.0	54.80	89.2	.0208	.8418	19.31.5	B	7 12 ,,
4	21.071	18.74	87·0	54.91	88.5	.0194	·8430	19.32.2	B	8 12 ,,
5	21.071	19.03	86.5	54.94	88.1	.0241	.8433	19.31.7	B	9 12 ,,
6	21.482	18.78	86·3	55.09	87.5	·0200	.8450	19.32.9	B	10 12 ,,
7	21.758	18.75	86.0	55.15	87.2	.0195	.8457	19.33.2	B	11 12 ,,
8	22.101	18.92	86.0	55.17	87.0	.0222	.8439	19.32.9	C	Midnight.
9	22.032	19.09	85.8	55.20	86.8	.0251	.8462	19.32.5	K	1 12 a. m.
10	21.758	18.89	85.5	55.19	86.4	.0218	.8461	19.32.9	K	2 12 ,,
11	21.619	18.89	85.3	55.21	86.2	.0218	.8463	19.33.0	K	3 12 ,,
12	21.758	18.95	85.0	55.19	86.2	.0227	.8461	19.32·8	K	4 12 ,,
13	21.071	18.98	86.0	54.93	86.1	.0232	.8432	19.31.7	B	5 12 ,,
14	22.991	19.02	84.8	55.07	85.6	.0239	.8449	19.32.3	B	6 12 ,,
15	23.884	19.23	85.5	54.92	85·8	.0274	.8431	19·31.2	B	7 12 ,,
16	23.609	19·66	86.0	54.75	86.5	.0344	.8402	19.29.1	B	8 12 ,,
17	22·032	20.22	87.1	54.09	87.1	.0436	.8340	19·25.5	C	9 12 ,,
18	20.247	20·44	88.1	53·96	87·9	.0473	.8326	19·24.5	C	10 12 ,,
19	18·189	20.69	89·0	53.95	88.7	.0515	.8325	19.23.8	C	11 12 ,,
20	16.886	20.42	89.5	54.27	89.0	.0469	.8460	19.25.8	C	Noon.
21	17.329	20·15	89·7	54.43	89.3	.0424	.8377	19.27.1	K	1 12 p.m.
22	19.081	19.90	89.7	54.71	89.8	.0383	.8408	19.28.9	K	2 12 ,,
23	20.796	19.81	89.8	54.61	90.2	.0369	.8397	19.28.6	K	3 12 ,,

On the 25th, at about 18h. 45m., Dip as obtained by Observation was 19°14'7.

DAILY OBSERVATIONS FROM 26TH TO 28TH APRIL 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
APR. 26TH-Noon.	21'415	19.57	89°8	54.46	90°4	8.0330	2.8381	19°28'4	K	4 12 p. m.
1	21.826	19.14	89.1	54.36	90.2	.0259	.8370	19.28.9	C	5 12 „
2	20.865	19.07	88.6	54.29	89.8	.0248	.8362	19.28.6	C	6 12 „
3	21.071	18.85	87.6	54.60	88.6	.0211	.8396	19.30.6	B	7 12 „
4	21.482	18.65	86.9	54.63	88.2	.0178	.8399	19.31.1	B	8 12 „
5	21.415	18.85	86.7	54.56	87.9	.0211	.8392	19.30.4	B	9 12 „
6	21.415	19.02	86.6	54.68	87.6	.0239	.8405	19.30.6	B	10 12 „
7	21.415	18.93	86.6	54.73	87.5	.0224	.8410	19.31.0	C	11 12 „
8	21.482	19.14	86.5	54.82	87.3	.0259	.8420	19.30.9	C	Midnight.
9	21.758	19.16	86.2	54.88	87.2	.0262	.8427	19.31.2	K	1 12 a. m.
10	22.101	18.98	86.0	54.82	87.2	.0232	.8420	19.31.3	K	2 12 „
11	22.032	19.01	85.9	54.76	87.0	.0238	.8413	19.30.9	K	3 12 „
12	21.482	19.02	85.5	54.80	86.6	.0239	.8418	19.31.1	K	4 12 „
13	22.032	19.02	85.3	54.95	86.6	.0239	.8435	19.31.8	B	5 12 „
14	23.816	19.10	85.2	55.07	86.4	.0252	.8448	19.32.1	B	6 12 „
15	23.060	19.26	85.3	54.84	86.2	.0279	.8422	19.30.7	B	7 12 „
16	22.649	19.67	85.8	54.55	86.6	.0346	.8391	19.28.5	B	8 12 „
17	21.208	20.11	87.0	54.27	87.2	.0418	.8360	19.26.4	C	9 12 „
18	20.247	20.39	88.0	54.24	88.0	.0464	.8356	19.25.8	C	10 12 „
19	18.944	20.52	89.0	54.16	88.8	.0485	.8348	19.25.1	C	11 12 „
20	18.601	20.42	89.5	54.33	89.1	.0469	.8366	19.26.0	C	Noon.
21	19.287	20.41	89.8	54.49	89.5	.0468	.8384	19.26.7	K	1 12 p. m.
22	20.522	20.33	90.0	54.65	90.0	.0454	.8402	19.27.6	K	2 12 „
23	21.551	20.02	90.0	54.67	90.2	.0403	.8404	19.28.4	K	3 12 „
APR. 27TH-Noon.	22.237	19.82	89.9	54.46	90.6	.0370	.8381	19.27.9	K	4 12 „
1	21.895	19.63	89.4	54.27	90.4	.0339	.8360	19.27.5	C	5 12 „
2	21.139	19.41	88.9	54.34	90.0	.0304	.8367	19.28.3	C	6 12 „
3	20.796	19.27	88.1	54.52	89.4	.0281	.8387	19.29.4	B	7 12 „
4	20.522	19.21	87.5	54.56	88.5	.0271	.8392	19.29.6	B	8 12 „
5	21.561	18.84	86.9	54.69	88.0	.0210	.8406	19.31.0	B	9 12 „
6	21.758	18.64	86.6	54.76	87.9	.0177	.8414	19.31.7	B	10 12 „
7	22.032	19.10	86.6	54.73	87.8	.0252	.8410	19.30.6	C	11 12 „
8	21.963	18.78	86.8	54.78	87.7	.0200	.8416	19.31.5	C	Midnight.
9	21.826	18.96	87.0	54.73	87.8	.0229	.8410	19.30.9	K	1 12 a. m.
10	21.688	19.02	86.8	54.75	87.8	.0239	.8413	19.30.9	K	2 12 „
11	21.415	19.07	86.5	54.93	87.6	.0248	.8432	19.31.4	K	3 12 „
12	21.071	19.10	86.4	54.93	87.5	.0252	.8432	19.31.4	K	4 12 „
13	21.728	19.13	86.4	54.68	87.6	.0257	.8405	19.30.3	B	5 12 „
14	23.130	19.13	86.2	54.80	87.4	.0257	.8418	19.30.8	B	6 12 „
15	23.060	19.19	86.5	54.73	87.5	.0267	.8410	19.30.4	B	7 12 „
16	22.718	19.68	87.2	54.28	87.8	.0347	.8361	19.27.3	B	8 12 „
17	21.688	20.10	88.1	53.96	88.7	.0416	.8326	19.25.1	C	9 12 „
18	20.042	20.52	89.3	53.63	89.8	.0485	.8290	19.22.8	C	10 12 „
19	18.944	20.75	90.5	53.62	90.5	.0523	.8288	19.22.3	C	11 12 „
20	18.738	20.68	91.8	53.75	91.5	.0511	.8303	19.23.1	C	Noon.
21	18.532	20.37	92.8	53.86	92.0	.0461	.8315	19.24.2	K	1 12 p. m.
22	18.738	19.84	93.0	54.07	92.2	.0374	.8338	19.26.3	K	2 12 „
23	20.247	19.50	92.2	54.21	92.0	.0318	.8353	19.27.5	K	3 12 „
APR. 28TH-Noon.	21.208	19.29	91.5	54.36	92.0	.0284	.8370	19.28.7	K	4 12 „
1	21.002	19.25	90.7	54.10	91.3	.0277	.8341	19.27.6	C	5 12 „
2	21.071	18.98	90.0	54.33	91.0	.0232	.8366	19.29.1	C	6 12 „
3	20.590	18.91	88.3	54.29	89.5	.0221	.8362	19.29.0	B	7 12 „
4	21.415	18.81	87.0	54.57	89.0	.0205	.8393	19.30.5	B	8 12 „
5	21.826	18.89	87.5	54.61	88.8	.0215	.8398	19.30.5	B	9 12 „
6	22.632	18.85	87.2	54.61	88.5	.0211	.8398	19.30.7	B	10 12 „
7	22.237	18.93	87.0	54.64	88.1	.0224	.8400	19.30.6	C	11 12 „
8	21.895	19.03	87.0	54.69	88.0	.0241	.8406	19.30.7	C	Midnight.
9	21.619	19.09	87.0	54.63	87.8	.0251	.8399	19.30.1	K	1 12 a. m.
10	21.758	19.15	86.8	54.68	87.7	.0260	.8405	19.30.3	K	2 12 „
11	21.276	19.22	86.2	54.68	87.3	.0272	.8405	19.30.2	K	3 12 „

DAILY OBSERVATIONS FROM 28TH APRIL TO 1ST MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
APR. 28TH—12	21·482	19.67	86·2	54.82	87·2	8.0346	2.8426	19°29'7	K	4 12 a. m.
13	22.512	19.56	86.0	54.97	87.4	.0328	.8437	19.30.7	B	5 12 „
14	22.718	19.61	86.0	54.92	87.2	·0316	.8421	19.29.9	B	6 12 „
15	23.816	19.36	86.2	54.86	87·0	.0295	.8425	19.30.6	B	7 12 „
16	22.854	19.67	86.6	54.44	87.2	.0386	.8378	19.28.0	B	8 12 „
17	21.688	20.41	87.0	54.30	87.2	.0468	·8363	19.25.1	C	9 12 „
18	20.796	20.34	88.0	54.04	88.1	.0456	.8334	19.24.9	C	10 12 „
19	19.356	20.23	88.8	54.06	88.7	.0438	.8337	19.25.4	C	11 12 „
20	18.601	19.89	89.1	54.17	89.0	.0398	·8349	19.26.3	C	Noon.
21	19.424	19·72	90.2	54.29	89.6	.0354	.8362	19.27.3	K	1 12 p. m.
22	20.728	19.47	91.0	54.51	90.2	.0314	.8386	19.28.9	K	2 12 „
23	21.688	18.32	91.2	54.53	91.0	·0124	.8388	19.31.4	K	3 12 „
APR. 29TH-Noon.	23.130	17.90	92.0	54.44	91.3	.0055	.8378	19.31.8	K	4 12 „
1	22.512	17.48	91.4	54.20	91.8	7.9987	.8352	19 31.7	C	5 12 „
2	22.991	17.09	90.3	54.41	91.0	.9923	.8375	19.33.5	C	6 12 „
3	22.444	16.83	89·4	54.58	90.1	.9880	.8394	19.34.8	B	7 12 „
4	22.375	16.38	88.8	54.65	89.6	.9806	.8402	19.36.0	B	8 12 „
5	22.374	16.69	88.4	54.73	89·6	.9857	.8410	19.35.7	B	9 12 „
6	22.991	16.90	88.1	54.79	89.0	.9891	.8417	19.35.6	B	10 12 „
7	23.130	17·22	88.0	54.61	89.0	.9944	.8397	19.34.2	C	11 12 „
8	22.865	18.00	87.9	54.61	88.8	8.0072	.8397	19.32.5	C	Midnight.
9	23.060	17.74	87.5	54.70	88.4	.0030	.8407	19.33.4	K	1 12 a. m.
10	22.512	17.63	87.4	54.55	88.2	.0011	.8391	19.33.0	K	2 12 „
11	22.101	18.06	87.0	54.54	88.0	.0082	.8389	19.32.0	K	3 12 „
12	21.551	18.14	87.0	54.79	87.7	.0095	·8417	19·32·9	K	4 12 „
13	22.237	18.09	86.8	54.97	87.4	.0087	.8437	19.33.8	B	5 12 „
14	24.159	18.00	86.8	55.12	87.4	.0072	.8453	19.34.7	B	6 12 „
15	23.060	18.27	76.8	54·92	87·3	.0117	.8431	19.33·1	B	7 12 „
16	23·404	18.76	87.5	54.57	87.4	.0197	·8393	19.30.6	B	8 12 „
17	21.139	18.76	87.5	54.41	87.0	·0197	.8375	19·29.9	C	9 12 „
18	19.699	18.87	87.6	54.32	87.2	.0215	.8365	19.29.2	C	10 12 „
19	19·013	18.94	88.1	54.23	87.8	.0226	.8355	19.28.8	C	11 12 „
20	18.738	18.93	88.5	54.43	88.0	.0224	.8376	19.29.6	C	Noon.
21	19.904	18.87	89.4	54.46	88.3	.0215	.8381	19.29.8	K	1 12 p. m.
22	20.453	18.84	90.0	54.50	89.4	.0210	.8385	19·30·2	K	2 12 „
23	21.139	18.59	90.2	54·40	90·0	.0169	.8374	19·30.2	K	3 12 „
MAY 1ST-Noon.	21.758	19·63	90.0	54.32	90.5	.0339	.8365	19.27.7	K	4 12 „
1	21.758	19.43	89·8	54.06	90.2	.0307	.8337	19.27.1	K	5 12 „
2	21.071	19.18	89.2	54.29	89.3	.0265	.8362	19.28.4	K	6 12 „
3	21.345	18.94	87.0	54.31	88.5	.0226	.8364	19.29.0	K	7 12 „
4	20.453	19.22	86.5	54.23	87·8	.0272	.8355	19.28.3	K	8 12 „
5	20.453	19.27	86.5	54.48	87.5	.0281	.8383	19.29.2	B	9 12 „
6	20.522	19·49	86·7	54.48	87.6	·0317	.8383	19.28·6	B	10 12 „
7	21.208	19.23	86.4	54.57	87·6	.0274	.8393	19.29.7	B	11 12 „
8	21.415	19.20	86·1	54·62	87.3	·0269	.8398	19.29.9	B	Midnight.
9	21.758	19.18	85.8	54.58	87.0	.0265	.8394	19.29·7	C	1 12 a. m.
10	21.415	19.21	85.5	54.60	86·5	.0271	.8396	19.29.8	C	2 12 „
11	21.415	19.27	85.4	54.70	86.4	.0281	.8407	19.30.2	C	3 12 „
12	21.415	19.29	85.3	54.78	86.1	.0284	.8416	19.30.5	C	4 12 „
13	21.826	19.26	85.2	54·88	86.0	.0279	.8417	19.30.6	K	5 12 „
14	23.404	19·21	85.2	55.17	85.6	.0271	.8459	19.32.3	K	6 12 „
15	24.914	19.22	85.0	55.06	85.4	.0272	·8447	19.31.9	K	7 12 „
16	24.914	19.63	85.4	54.47	85.7	.0339	·8382	19.28.3	K	8 12 „
17	22.444	20.21	86.4	53.95	86.5	.0435	.8325	19.24.9	B	9 12 „
18	20.385	20·61	87.5	53.86	87.0	.0500	.8315	19.23.7	B	10 12 „
19	19.218	20.54	88.2	54.01	87.6	.0489	·8331	19.24.4	B	11 12 „
25	17.572	20.65	88.7	53.85	88.2	.0506	.8314	19.23.5	B	Noon.
21	18.327	20.19	89·0	54.26	88.8	.0431	.8359	19·26.3	C	1 12 p. m.
22	19.904	20.11	89.5	54.30	89.2	.0418	.8363	19.26.5	C	2 12 „
23	20.453	20.04	89.7	54.40	90.0	.0407	.8374	19.27.1	C	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°15'0.
On the 29th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 2ND TO 4TH MAY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
May 2nd-Noon.	21'619	19.77	89°4	54.55	90°0	8.0363	2.8391	19°28'4	C	4 12 p. m.
1	22.512	19.48	88.8	54.58	89.9	.0315	.8393	19.29.0	K	5 12 „
2	22.168	19.14	88.0	54.33	89.4	.0259	.8366	19.28.7	K	6 12 „
3	20.865	18.92	87.6	54.27	89.0	.0222	.8360	19.29.0	K	7 12 „
4	20.865	19.00	87.2	54.46	88.5	.0236	.8381	19.29.6	K	8 12 „
5	20.865	19.08	86.9	54.59	88.0	.0249	.8395	19.30.0	B	9 12 „
6	20.933	19.25	86.5	54.66	88.0	.0277	.8403	19.30.0	B	10 12 „
7	20.933	19.17	86.6	54.68	87.6	.0264	.8405	19.30.3	B	11 12 „
8	21.619	19.18	86.4	54.58	87.5	.0265	.8394	19.29.7	B	Midnight.
9	21.345	19.21	86.3	54.66	87.2	.0271	.8406	19.30.2	C	1 12 a. m.
10	21.415	19.16	86.1	54.73	87.1	.0262	.8410	19.30.5	C	2 12 „
11	21.415	19.30	86.0	54.71	87.0	.0285	.8409	19.30.0	C	3 12 „
12	21.415	19.34	85.8	54.75	87.0	.0292	.8413	19.30.2	C	4 12 „
13	21.551	19.34	85.5	54.90	86.5	.0292	.8429	19.30.8	K	5 12 „
14	23.060	19.19	85.5	55.27	86.4	.0267	.8470	19.32.7	K	6 12 „
15	24.570	19.13	86.0	55.19	86.3	.0257	.8461	19.31.4	K	7 12 „
16	25.600	19.34	86.3	54.98	86.7	.0292	.8438	19.31.2	K	8 12 „
17	25.394	19.76	86.8	54.57	87.2	.0361	.8393	19.28.5	B	9 12 „
18	24.090	20.10	87.6	54.11	87.6	.0416	.8342	19.25.7	B	10 12 „
19	22.168	20.30	88.3	53.85	88.2	.0449	.8314	19.24.2	B	11 12 „
20	19.836	20.31	89.0	53.68	88.7	.0451	.8295	19.23.5	B	Noon.
21	18.738	20.08	89.2	53.83	89.1	.0413	.8311	19.24.5	C	1 12 p. m.
22	18.464	20.00	89.7	54.00	89.9	.0400	.8330	19.25.6	C	2 12 „
23	19.356	19.77	89.7	54.32	90.0	.0363	.8365	19.27.4	C	3 12 „
May 3rd-Noon.	21.208	19.59	89.4	54.58	90.1	.0333	.0304	19.28.9	C	4 12 „
1	22.101	19.45	88.8	54.52	90.0	.0310	.0387	19.29.0	K	5 12 „
2	22.168	19.15	88.0	54.49	89.0	.0260	.8384	19.29.4	K	6 12 „
3	22.032	18.84	87.2	54.54	88.8	.0210	.8389	19.30.3	K	7 12 „
4	22.444	18.73	87.0	54.66	88.5	.0192	.8403	19.31.1	K	8 12 „
5	22.305	19.01	87.0	54.54	88.0	.0238	.8389	19.29.9	B	9 12 „
6	22.305	19.10	86.9	54.54	88.0	.0252	.8389	19.29.7	B	10 12 „
7	21.718	19.13	86.6	54.58	87.6	.0257	.8394	19.29.8	B	11 12 „
8	21.688	19.17	86.4	54.63	87.5	.0264	.8390	19.30.0	B	Midnight.
9	21.482	19.09	86.0	54.63	87.1	.0251	.8399	19.30.1	C	1 12 a. m.
10	21.345	19.09	85.9	54.63	87.0	.0251	.8396	19.30.0	C	2 12 „
11	21.139	19.12	85.6	54.71	87.0	.0255	.8408	19.30.4	C	3 12 „
12	21.208	19.22	85.2	54.75	86.6	.0272	.8413	19.30.5	C	4 12 „
13	21.895	19.45	85.0	54.94	86.2	.0310	.8433	19.30.8	K	5 12 „
14	23.510	19.24	85.0	55.68	86.0	.0276	.8515	19.34.4	K	6 12 „
15	25.600	19.20	85.5	55.73	86.0	.0269	.8520	19.34.7	K	7 12 „
16	26.629	19.45	85.8	55.49	86.3	.0310	.8494	19.33.1	K	8 12 „
17	25.943	19.88	86.3	54.85	86.7	.0380	.8424	19.29.5	B	9 12 „
18	22.787	20.36	87.0	54.27	87.3	.0459	.8360	19.25.9	B	10 12 „
19	20.522	20.50	87.7	54.08	87.6	.0482	.8339	19.24.9	B	11 12 „
20	19.013	20.41	88.5	54.11	88.3	.0468	.8342	19.25.1	B	Noon.
21	18.601	20.34	89.0	54.27	89.0	.0456	.8360	19.25.9	C	1 12 p. m.
22	18.327	20.25	89.5	54.43	89.3	.0441	.8377	19.26.9	C	2 12 „
23	19.356	20.06	89.5	54.70	90.0	.0410	.8407	19.28.5	C	3 12 „
May 4th-Noon.	21.276	19.75	89.4	55.00	90.1	.0359	.8440	19.30.4	C	4 12 „
1	22.101	19.59	89.0	54.95	90.0	.0333	.8435	19.30.6	K	5 12 „
2	22.581	19.14	87.8	54.93	89.4	.0259	.8432	19.31.3	K	6 12 „
3	21.345	19.13	87.0	54.78	88.2	.0257	.8416	19.30.7	K	7 12 „
4	20.865	19.15	86.5	54.88	87.5	.0260	.8427	19.31.2	K	8 12 „
5	21.276	19.18	86.2	55.07	87.2	.0265	.8448	19.31.9	B	9 12 „
6	21.139	19.18	86.0	54.87	87.2	.0265	.8427	19.31.1	B	10 12 „
7	21.345	19.36	85.9	54.93	87.1	.0295	.8432	19.30.8	B	11 12 „
8	21.415	19.35	85.9	54.91	87.1	.0293	.8430	19.30.9	B	Midnight.
9	21.415	19.31	85.8	54.91	87.0	.0287	.8430	19.30.9	C	1 12 a. m.
10	21.551	19.40	85.5	54.88	86.8	.0302	.8427	19.30.7	C	2 12 „
11	21.415	19.41	85.1	54.87	86.3	.0304	.8426	19.30.6	C	3 12 „

On the 2nd, at about 19h., Dip as obtained by Observation was 19°09'4.

DAILY OBSERVATIONS FROM 4TH TO 6TH MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY 4TH—12	21·415	19.38	85·0	54.93	86·0	8.0298	2.8432	19°30'8	C	4 12 a. m.
13	21.415	19.42	84.8	55.17	85.6	.0305	.8459	19.31.8	K	5 12 „
14	22.718	19.57	84.6	55.56	85.4	·0330	.8502	19.33.1	K	6 12 „
15	25.394	19.71	84.8	55.66	85.4	.0353	.8513	19.33.3	K	7 12 „
16	25.875	20.20	85.5	55.13	86.1	.0433	.8454	19.30.0	K	8 12 „
17	23.473	20·94	86.3	54·45	86.7	.0554	.8380	19·25·5	B	9 12 „
18	19.767	21.04	86.5	54.06	86.9	.0571	.8337	19·23.7	B	10 12 „
19	18.327	20.94	87.2	54.22	87.3	.0554	.8354	19.24·5	B	11 12 „
20	17.984	20·58	88.0	54.34	88.0	.0495	.8367	19.25.7	B	Noon.
21	17.846	20.45	88.5	54.61	88.5	.0474	.8397	19.27.3	C	1 12 p. m.
22	17.984	20.25	88.6	54.67	88.9	.0441	.8404	19.27.9	C	2 12 „
23	19.561	19.64	88.3	54.89	89.0	.0341	.8428	19.30.2	C	3 12 „
MAY 5TH-Noon.	21.071	19.18	88.0	54.97	89.0	.0265	.8437	19.31.5	C	4 12 „
1	22.101	19·23	87.8	54·87	89.0	.0274	.8426	19.31·0	K	5 12 „
2	21.758	19.10	87.0	54.66	88.5	.0252	.8403	19.30.3	K	6 12 „
3	21.345	19.10	86.2	54.68	87.8	.0254	·8405	19.30.4	K	7 12 „
4	21.345	19.09	86.0	54·82	87.3	.0251	.8420	19.31.0	K	8 12 „
5	21.071	19.14	85.5	54.85	86.8	.0259	.8424	19.31.0	B	9 12 „
6	21.415	19.22	85.2	54.98	86.6	.0272	.8438	19.31.5	B	10 12 „
7	21.276	19.17	85.1	55.02	86.5	.0264	.8442	19.31.7	B	11 12 „
8	21.748	19.15	85.0	55.04	86.3	.0260	.8444	19.31.8	B	Midnight.
9	21.826	19·11	84.7	55.03	86.0	.0254	.8443	19.31.9	C	1 12 a. m.
10	21·826	19.07	84.4	54.91	85.9	.0248	.8430	19.31.4	C	2 12 „
11	21.139	19.06	84.2	54.92	85.6	.0246	.8430	19.31.4	C	3 12 „
12	20.933	19.13	84.0	54.73	85.2	.0257	.8410	19.30.5	C	4 12 „
13	21.415	19·25	83·7	54.90	85.0	.0277	.8429	19.31.0	K	5 12 „
14	22.718	19.25	83.5	55.24	84.5	.0277	.8466	19.32.4	K	6 12 „
15	24.363	19.17	84.0	55.24	84.8	.0264	.8466	19.32.6	K	7 12 „
16	24.502	19.48	84.6	54.81	85.3	.0315	.8419	19.30.0	K	8 12 „
17	23.130	20.22	85.7	54.17	85.7	.0436	.8349	19.25.8	B	9 12 „
18	20.659	20.72	86.5	53.80	86.5	.0518	.8308	19.23.1	B	10 12 „
19	18.327	20.62	87.3	53.86	87·0	.0501	.8315	19.23.7	B	11 12 „
20	16·680	20.49	87.6	53.78	87.5	.0481	.8306	19·23.5	B	Noon.
21	16·886	20.17	87.9	54.05	87.8	.0428	.8336	19.25.4	C	1 12 p. m.
22	18.052	19.86	88.0	54.40	88·0	.0377	.8374	19·27·5	C	2 12 „
23	19.081	19.80	88.0	54.48	88.8	.0367	.8384	19.28.0	C	3 12 „
MAY 6TH-Noon.	20.728	19.54	88.0	54.58	89.0	.0325	.8394	19·28·9	C	4 12 „
1	21.619	19.26	87.8	54.52	89.0	.0279	.8387	19·29·4	K	5 12 „
2	21.895	18.92	87.0	54.46	88.5	.0222	.8381	19·29·8	K	6 12 „
3	21.345	18.92	86.2	54.53	87.8	.0222	.8388	19.30.1	K	7 12 „
4	21.208	19.04	85.8	54.49	87.0	.0243	.8384	19·29·7	K	8 12 „
5	21.551	18.95	85.2	54.53	86.0	.0227	.8388	19·30·0	B	9 12 „
6	21.071	19.06	85.0	54·62	85.8	.0246	.8398	19·30·1	B	10 12 „
7	21.208	19.18	84.9	54.72	85.6	.0265	.8410	19·30·4	B	11 12 „
8	21.345	19.12	84.5	54.82	85.5	.0255	.8420	19·30·9	B	Midnight.
9	21.826	19.27	84.3	54.74	85.4	.0281	.8422	19·30·7	C	1 12 a. m.
10	21.208	19.22	84.1	54.73	85.3	.0272	.8421	19·30·8	C	2 12 „
11	20.933	19.23	84.0	54.88	85.2	.0274	.8427	19·31·1	C	3 12 „
12	21.208	19.19	83·9	54.94	85.0	.0267	.8433	19·31.3	C	4 12 „
13	21.688	19.23	83.7	55.14	84.8	.0282	.8455	19·32·1	K	5 12 „
14	23.404	19.39	83.8	55.34	84.5	.0300	.8477	19·32·6	K	6 12 „
15	24·639	19.62	84.2	55.19	84.8	.0337	.8461	19·31·4	K	7 12 „
16	25.257	20.08	84.5	54.71	85.2	.0413	·8408	19·28.5	K	8 12 „
17	23.473	20.66	85.5	54.17	85.7	.0503	.8349	19·24·9	B	9 12 „
18	21.482	20.90	85.7	53.98	86.1	.0547	.8328	19·23·5	B	10 12 „
19	19.630	21.03	86.5	53.85	86·6	.0569	.8314	19·22·7	B	11 12 „
20	17.778	20.83	87.2	53.87	87.3	.0536	.8316	19.23·2	B	Noon.
21	17.160	20.84	87.9	54.10	88.0	.0538	.8341	19.24·2	C	1 12 p. m.
22	18.189	20.31	88.4	54.33	88.5	.0451	.8366	19.26·2	C	2 12 „
23	19.561	20.01	88.8	54.56	89.0	.0402	.8392	19.27·9	C	3 12 „

On the 5th, at about 19h., Dip as obtained by Observation was 18°54'4.
On the 6th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 8TH TO 10TH MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY 8TH-Noon.	21'758	19.83	89°5	54.47	90°6	8.0372	2.8382	19°27'9	B	4 12 p. m.
1	21.895	19.58	88.6	54.42	90.1	.0331	.8376	19.28.2	B	5 12 ,,
2	21.895	19.26	87.7	54.43	89.3	.0279	.8377	19.29.0	B	6 12 ,,
3	20.933	19.20	87.0	54.41	88.6	.0269	.8375	19.29.0	K	7 12 ,,
4	20.728	19.32	86.8	54.49	88.0	.0288	.8384	19.29.0	K	8 12 ,,
5	20.933	19.29	86.1	54.60	87.3	.0284	.8396	19.29.7	K	9 12 ,,
6	20.863	19.24	85.6	54.70	86.8	.0276	.8407	19.30.2	K	10 12 ,,
7	21.415	19.21	85.3	54.56	86.6	.0271	.8392	19.29.6	B	11 12 ,,
8	21.482	19.25	85.0	54.69	86.4	.0277	.8406	19.30.1	B	Midnight.
9	21.551	19.21	84.9	54.70	86.1	.0271	.8407	19.30.3	C	1 12 a. m.
10	21.619	19.39	84.9	54.70	86.0	.0300	.8407	19.29.9	C	2 12 ,,
11	21.071	19.67	84.9	54.74	86.0	.0346	.8411	19 29.3	C	3 12 ,,
12	21.071	19.66	84.8	54.72	85.9	.0344	.8409	19.29.4	C	4 12 ,,
13	21.002	19.50	84.8	54.78	85.9	.0318	.8416	19.29.9	K	5 12 ,,
14	22.718	19.61	84.8	55.17	85.5	.0336	.8459	19.31.4	K	6 12 ,,
15	24.983	19.58	85.0	55.22	85.5	.0331	.8464	19.31.6	K	7 12 ,,
16	25.189	20.10	85.4	54.42	85.8	.0416	.8376	19.27.0	B	8 12 ,,
17	22.444	20.59	86.3	53.74	86.3	.0497	.8301	19.23.1	B	9 12 ,,
18	19.973	20.98	86.8	53.60	86.8	.0560	.8286	19.21.7	B	10 12 ,,
19	18.832	20.90	47.6	53.78	87.6	.0547	.8306	19.22.6	B	11 12 ,,
20	18.189	20.71	88.0	54.04	88.0	.0517	.8334	19.24.1	B	Noon.
21	19.630	20.38	88.5	54.26	88.5	.0462	.8359	19.25.9	C	1 12 p. m.
22	20.110	20.05	88.6	54.33	88.9	.0408	.8366	19.26.8	C	2 12 ,,
23	20.247	20.00	88.8	54.28	89.2	.0400	.8361	19.26.7	C	3 12 ,,
MAY 9TH-Noon.	20.796	19.80	88.6	54.38	89.4	.0367	.8372	19.27.5	C	4 12 ,,
1	22.237	19.28	88.2	54.43	89.4	.0282	.8377	19.29.0	K	5 12 ,,
2	21.963	19.15	87.5	54.32	89.0	.0260	.8365	19.28.7	K	6 12 ,,
3	20.659	19.36	86.8	54.36	88.0	.0295	.8370	19.28.4	K	7 12 ,,
4	20.728	19.34	86.2	54.43	87.5	.0292	.8377	19.28.8	K	8 12 ,,
5	21.482	19.20	86.0	54.72	87.2	.0269	.8409	19.29.0	K	9 12 ,,
6	21.688	19.44	85.5	54.72	86.8	.0309	.8409	19.29.8	B	10 12 ,,
7	21.415	19.45	85.3	54.73	86.6	.0310	.8410	19.29.9	B	11 12 ,,
8	20.865	19.44	85.2	54.70	86.5	.0309	.8407	19.29.8	B	Midnight.
9	20.933	19.38	85.0	54.73	86.2	.0295	.8410	19.30.0	C	1 12 a. m.
10	21.139	19.47	84.9	54.73	86.0	.0314	.8410	19.29.9	C	2 12 ,,
11	21.482	19.60	84.9	54.86	86.0	.0334	.8425	19.30.2	C	3 12 ,,
12	21.688	19.66	84.8	54.88	85.9	.0344	.8427	19.30.2	C	4 12 ,,
13	22.649	19.73	84.8	54.92	85.8	.0356	.8431	19.30.0	K	5 12 ,,
14	24.021	19.81	84.8	55.27	85.8	.0369	.8470	19.31.4	K	6 12 ,,
15	24.295	19.73	85.0	54.97	85.6	.0356	.8437	19.30.3	K	7 12 ,,
16	23.473	19.99	85.6	54.54	85.2	.0398	.8389	19.27.8	B	8 12 ,,
17	21.688	20.34	86.1	54.20	86.6	.0456	.8352	19.25.6	B	9 12 ,,
18	19.424	20.71	87.0	54.02	87.2	.0517	.8332	19.24.0	B	10 12 ,,
19	18.738	20.76	87.4	54.11	87.5	.0525	.8342	19.24.3	B	11 12 ,,
20	17.641	20.86	87.8	54.13	87.8	.0541	.8344	19.24.3	B	Noon.
21	18.670	20.63	88.0	54.39	88.2	.0503	.8373	19.25.9	C	1 12 p. m.
22	19.699	20.41	88.2	54.46	88.3	.0468	.8381	19.26.6	C	2 12 ,,
23	21.276	19.92	88.3	54.52	88.9	.0386	.8387	19.27.9	C	3 12 ,,
MAY 10TH-Noon.	21.551	19.89	88.0	54.57	89.0	.0382	.8393	19.28.3	C	4 12 ,,
1	21.758	19.56	87.7	54.51	89.0	.0318	.8386	19.28.7	K	5 12 ,,
2	21.276	19.39	87.0	54.50	88.4	.0300	.8385	19.29.0	K	6 12 ,,
3	20.728	19.52	86.5	54.59	88.0	.0321	.8395	19.29.1	K	7 12 ,,
4	20.728	19.56	86.2	54.72	87.4	.0318	.8409	19.29.6	K	8 12 ,,
5	20.728	19.51	86.0	54.76	87.0	.0320	.8414	19.29.8	K	9 12 ,,
6	20.796	19.46	85.6	54.74	86.8	.0312	.8411	19.29.9	B	10 12 ,,
7	20.796	19.43	85.3	54.85	86.6	.0307	.8424	19.30.4	B	11 12 ,,
8	21.028	19.45	85.0	54.88	86.5	.0310	.8427	19.30.6	B	Midnight.
9	21.071	19.52	85.0	54.87	86.2	.0321	.8426	19.30.3	C	1 12 a. m.
10	21.071	19.50	84.6	54.91	86.0	.0318	.8430	19.30.5	C	2 12 ,,
11	21.208	19.49	84.3	54.80	85.9	.0317	.8418	19.30.0	C	3 12 ,,

On the 9th, at about 18h. 40m., Dip as obtained by Observation was 19°07'8.

DAILY OBSERVATIONS FROM 10TH TO 12TH MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY 10TH—12	21'482	19.57	84°1	54.87	85°5	8.0330	2.8426	19°30'2	C	4 12 a. m.
13	22.168	19.49	84.1	54.96	85.4	.0317	.8436	19.30.7	K	5 12 „
14	24.363	19.52	84.3	55.24	85.3	.0321	.8466	19.31.8	K	6 12 „
15	24.914	19.77	85.0	54.96	85.5	.0363	.8436	19.30.2	K	7 12 „
16	23.404	19.92	85.5	54.50	86.0	.0386	.8385	19.27.8	B	8 12 „
17	21.482	20.22	85.9	54.19	86.4	.0436	.8351	19.25.9	B	9 12 „
18	19.493	20.35	86.6	54.02	86.8	.0457	.8332	19.24.8	B	10 12 „
19	19.013	20.43	87.3	54.17	87.3	.0471	.8349	19.25.4	B	11 12 „
20	19.287	20.12	87.6	54.28	87.8	.0419	.8361	19.26.4	B	Noon.
21	20.453	20.27	87.9	54.31	88.0	.0445	.8364	19.26.1	C	1 12 p. m.
22	21.551	20.00	88.0	54.33	88.8	.0400	.8366	19.26.9	C	2 12 „
23	22.374	19.82	88.1	54.37	89.0	.0370	.8371	19.27.5	C	3 12 „
MAY 11TH—Noon.	23.267	19.62	88.0	54.37	89.0	.0337	.8371	19.47.9	C	4 12 „
1	22.531	19.51	87.8	54.27	89 0	.0320	.8360.	19.27.7	K	5 12 „
2	22.444	19.30	87.0	54.35	88.4	.0285	.8369	19.28.8	K	6 12 „
3	21.208	19.40	86.2	54.38	87.7	.0302	.8372	19.28.4	K	7 12 „
4	20.865	19.47	86.0	54.40	87.2	.0314	.8374	19.28.4	K	8 12 „
5	21.345	19.54	85.7	54.41	87.0	.0325	.8375	19.28.2	K	9 12 „
6	20.728	19.67	85.4	54.45	86.8	.0346	.8380	19.28.1	B	10 12 „
7	20.933	19.60	85.1	54.62	86.5	.0334	.8394	19.28.9	B	11 12 „
8	20.728	19.58	84.9	54.71	86 3	.0331	.8408	19.29.5	B	Midnight.
9	20.796	19.65	84.8	54.76	86.0	.0342	.8414	19.29.6	C	1 12 a. m.
10	20.728	19.63	84.6	54.85	86.0	.0339	.8424	19.30.1	C	2 12 „
11	20.933	19.59	84.4	54.87	85.7	.0333	.8426	19.30.2	C	3 12 „
12	20.590	19.56	84.2	54.89	85.5	.0328	.8428	19.30.3	C	4 12 „
13	21.688	19.54	84.2	55.06	85.4	.0325	.8447	19.31.1	K	5 12 „
14	23.816	19.59	84.2	55.21	85.3	.0333	.8463	19.31.7	K	6 12 „
15	25.120	19.83	85.0	54.87	85.5	.0372	.8426	19.29.7	K	7 12 „
16	24.363	20.20	85 6	54.61	86.4	.0423	.8397	19.27.8	B	8 12 „
17	21.895	20.40	86.1	53.88	86.6	.0466	.8317	19.24.2	B	9 12 „
18	18.327	20.65	87.0	53.72	87.3	.0506	.8299	19.22.9	B	10 12 „
19	17.366	20.80	87.5	53.88	87.5	.0531	.8317	19.23.4	B	11 12 „
20	16.680	20.55	87.9	53.99	88·1	.0490	.8329	19.24.3	B	Noon.
21	18.052	20.33	88.2	54.36	88.5	.0454	.8370	19.26.4	C	1 12 p. m.
22	19.493	19.99	88.4	54.69	88.9	.0398	.8404	19.28.4	C	2 12 „
23	21.345	19.25	88.3	54.94	89.0	.0277	.8433	19.31.2	C	3 12 „
MAY 12TH—Noon.	22.305	19.16	88.1	54.87	89.0	.0262	.8426	19.31.1	C	4 12 „
1	22.649	19.24	88.0	54.67	89.1	.0277	.8404	19.30.0	K	5 12 „
2	22.787	18.87	87.3	54.56	88.5	.0215	.8392	19.30.2	K	6 12 „
3	21.619	19.17	86.2	54.68	87.6	.0264	.8405	19.30.3	K	7 12 „
4	21.758	19.01	86.0	54.77	87.2	.0238	.8415	19.31.0	K	8 12 „
5	21.688	19.02	85.8	54.67	87.2	.0239	.8404	19.30.5	K	9 12 „
6	21.551	18.97	85.4	54.66	87.0	.0231	.8403	19.30.6	B	10 12 „
7	21.482	18.99	85.2	54.75	86.6	.0234	.8413	19.31.0	B	11 12 „
8	20.865	19.19	84.9	54.74	86.5	.0251	.8411	19.30.6	B	Midnight.
9	21.139	19.12	84.7	54.75	86.2	.0202	.8413	19.30.5	C	1 12 a. m.
10	21.071	19.15	84.5	54.88	85.9	.0260	.8427	19.31.2	C	2 12 „
11	20.796	19.20	84.2	54.90	85.6	.0269	.8429	19.31.1	C	3 12 „
12	21.208	19.28	84.1	54.96	85.4	.0282	.8436	19.31.4	C	4 12 „
13	22.444	19.28	84.3	55.16	85.4	.0282	.8458	19.32.2	K	5 12 „
14	24.570	19.32	84.5	55.32	85.5	.0288	.8475	19.32.6	K	6 12 „
15	26.080	19.61	84.8	54.97	85.7	.0336	.8437	19.30.6	K	7 12 „
16	25.600	19.98	85.1	54.52	85.8	.0396	.8387	19.27.8	B	8 12 „
17	23.130	20.44	85.6	54.04	86.4	.0473	.8334	19.25.8	B	9 12 „
18	20.590	20.85	86.4	53.89	86.9	.0539	.8318	19.23.3	B	10 12 „
19	19.150	21.05	87.2	53.94	87.3	.0572	.8323	19.23.1	B	11 12 „
20	18.395	20.88	87·6	53.97	87.6	.0544	.8327	19.23.7	B	Noon.
21	18.670	20.75	87.9	54.24	88.0	.0523	.8356	19.25.0	C	1 12 p. m.
22	19.493	20.28	88.0	54.37	88.4	.0446	.8371	19.26.4	C	2 12 „
23	20.796	19.87	87.9	54.38	88.8	.0379	.8372	19.27.4	C	3 12 „

DAILY OBSERVATIONS FROM 13TH TO 16TH MAY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
May 13th-Noon.	21·482	19.58	87·8	54.43	88·9	8.0331	2.8377	19°28·3	C	4 12 p. m
1	21·688	19.44	87.3	54.31	88.6	.0309	.8364	19.28.0	K	5 12 ,,
2	21.619	19.33	86.7	54.45	88.2	.0290	.8380	19.28.9	K	6 12 ,,
3	21.758	19.09	85.8	54.57	87·2	.0251	.8393	19.29.9	K	7 12 ,,
4	21·345	19·18	85·4	54·60	86.8	.0265	.8396	19.29·8	K	8 12 ,,
5	21.276	19.48	85·3	54.70	86.5	.0315	.8407	19.29.6	K	9 12 ,,
6	21.071	19.34	85·1	54.74	86·4	.0292	.8411	19.30.1	B	10 12 ,,
7	20·933	19.31	84.9	54.87	86.2	.0287	.8426	19.30.7	B	11 12 ,,
8	21.345	19.21	84.7	54.92	85.9	.0271	.8431	19.31·2	B	Midnight.
9	21.208	19.22	84.5	54.98	85.6	.0272	.8437	19.31.5	C	1 12 a. m.
10	21·002	19.30	84.2	54.89	85.4	.0285	.8428	19.30.8	C	2 12 ,,
11	20.933	19·27	84.0	54.91	85.2	.0281	.8331	19.31.1	C	3 12 ,,
12	21.208	19·29	83·9	54.95	85·0	.0284	.8435	19.31.1	C	4 12 ,,
13	21.551	19.35	83.9	55.10	85·0	.0293	.8451	19.31.7	K	5 12 ,,
14	23.404	19.41	84·0	55.25	85.0	.0304	.8468	19.32.2	K	6 12 ,,
15	24.432	19.70	84.2	55·10	85·0	.0351	.8451	19.30.9	K	7 12 ,,
16	23·884	19.89	84.6	54.66	85·2	.0382	.8403	19.28.7	B	8 12 ,,
17	22.101	20.40	85·7	54·08	86·0	.0466	.8339	19.25.0	B	9 12 ,,
18	20.659	20.43	86.7	54.01	86·9	.0471	.8331	19.24.7	B	10 12 ,,
19	18.875	20.71	87.2	53.94	87.3	.0517	.8323	19.23·7	B	11 12 ,,
20	18.489	20.52	87.6	54·21	87·9	.0487	.8353	19.25.3	B	Noon.
21	19.218	20.34	87.9	54.60	88·2	.0456	.8396	19.27.3	C	1 12 p. m.
22	20.316	20.11	88.1	54·73	88.2	.0418	.8410	19.28.4	C	2 12 ,,
23	21.345	19.64	88.0	54.65	88.3	.0341	.8401	19.29.1	C	3 12 ,,
May 15th-Noon.	21.482	19.86	88.3	54.37	89.0	.0377	.8371	19.27.4	B	4 12 ,,
1	21.619	19.72	87.6	54.27	89.0	.0354	.8360	19.27.3	B	5 12 ,,
2	21.415	19.47	86·7	54.30	88.3	.0314	.8363	19.28·0	B	6 12 ,,
3	20·933	19.41	86.3	54.31	87.6	.0304	.8364	19.28.1	K	7 12 ,,
4	21.139	19.42	86.0	54·43	86.8	.0305	.8377	19.28.6	K	8 12 ,,
5	21.276	19·47	85.7	54·44	86.2	.0314	.8378	19.28.6	K	9 12 ,,
6	21·276	19.44	85.2	54.53	86·0	.0309	.8388	19.29.0	B	10 12 ,,
7	21.208	19.42	85.0	54·66	85.9	.0305	.8406	19.29·7	B	11 12 ,,
8	21·276	19.31	84·9	54.72	85·8	.0287	.8409	19.30.0	B	Midnight.
9	21.276	19.29	84.5	54·73	85·6	.0284	.8416	19.30.3	C	1 12 a. m.
10	21·345	19.39	84·5	54.73	85.6	.0300	.8411	19.30.0	C	2 12 ,,
11	21·208	19.25	84.2	54·82	85.5	.0277	.8420	19.30.7	C	3 12 ,,
12	21.276	19.31	84·0	54.87	85.4	.0287	.8426	19·30.7	C	4 12 ,,
13	21.688	19.42	84.0	54.96	85.3	.0305	.8436	19.30.9	K	5 12 ,,
14	23.609	19.53	84.2	55.45	85·0	.0323	.8490	19.32.8	K	6 12 ,,
15	24·502	19.66	84.5	55.16	85.3	.0344	.8458	19.31.4	K	7 12 ,,
16	24·021	20.04	84.7	54·75	85.5	.0407	.8413	19·28.7	B	8 12 ,,
17	22·237	20.55	85.6	54.37	86·2	.0490	.8371	19.25.9	B	9 12 ,,
18	20·590	20.78	86.7	54·21	87.0	.0528	.8353	19.24.8	B	10 12 ,,
19	19·218	20.82	87.5	54·13	87·6	·0534	.8344	19.24.4	B	11 12 ,,
20	18·601	20·68	87.8	54·16	88.0	.0511	.8348	19.24.9	B	Noon.
21	18.670	20.48	88.0	54.33	88.3	.0479	.8366	19.25.9	C	1 12 p. m.
22	19.561	20.24	88.5	54.47	88.9	.0440	.8382	19.27.0	C	2 12 ,,
23	20.659	20.06	88.3	54.57	89.0	.0410	.8393	19.27.9	C	3 12 ,,
May 16th-Noon.	21.002	19·93	88·0	54·52	89·1	.0388	.8387	19.27.9	C	4 12 ,,
1	21.071	19.77	87.8	54.48	89.2	.0363	.8383	19.28.1	K	5 12 ,,
2	21·276	19.50	87.0	54.56	88.5	.0318	.8392	19.28.9	K	6 12 ,,
3	20.316	19.64	86.4	54.64	88·0	.0341	.8400	19.29.1	K	7 12 ,,
4	20.316	19.66	86·0	54·35	87.5	.0344	.8369	19.27.8	K	8 12 ,,
5	20.522	19.67	85.9	54·42	87.2	.0346	.8376	19.27.9	K	9 12 ,,
6	20.865	19.61	85·5	54.62	86.8	.0336	.8398	19.29.0	B	10 12 ,,
7	21.345	19.52	85.1	54·70	86.5	.0321	.8407	19.29.6	B	11 12 ,,
8	21·208	19.50	84.9	54.71	86.4	.0318	.8408	19.29.6	B	Midnight.
9	21.139	19.51	84.7	54.70	86.0	.0320	·8407	19.29.6	C	1 12 a. m.
10	21.415	19.49	84.4	54.71	85.8	·0317	.8408	19.29.6	C	2 12 ,,
11	21.494	19.44	84.1	54.75	85.5	.0309	.8413	19.30.0	C	3 12 ,,

On the 13th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS, FROM 16TH TO 18TH MAY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
May 16th—12	21·895	19.42	84°0	54.81	85°3	8.0305	2.8419	19°30·2	C	4 12 a. m.
13	22·305	19.46	84.0	54.91	85·2	.0312	·8430	19·30.7	K	5 12 „
14	23.746	19.45	83.8	55.15	85.0	.0310	·8457	19.31.8	K	6 12 „
15	24.159	19.71	84.2	54·91	85.2	.0353	·8430	19.30.1	K	7 12 „
16	23.473	20.18	85.4	54.47	85.6	.0429	·8382	19.27.1	B	8 12 „
17	22.444	20.62	86.2	53.90	86.5	.0501	·8319	19.23.8	B	9 12 „
18	21.002	21.03	87.0	53.96	87.0	.0569	·8326	19.23.2	B	10 12 „
19	19.913	21.22	87.5	53.99	87.5	·0600	.8326	19.23.9	B	11 12 „
20	19.013	21.19	87.8	54.14	87.9	.0595	.8345	19.24.6	B	Noon.
21	19.356	20.94	88.0	54.26	88.1	.0554	.8362	19.24.7	C	1 12 p. m.
22	20.385	20.51	88.1	54.46	88.5	·0484	.8381	19.26.5	C	2 12 „
23	20.728	20.20	88.1	54.42	88.0	.0433	·8376	19.27.0	C	3 12 „
May 17th-Noon.	21.551	19.91	88.0	54.37	89.0	.0385	.8371	19.27.2	C	4 12 „
1	21.619	19.79	87.8	54.28	89.2	.0366	.8361	19·27.1	K	5 12 „
2	21.071	19.64	87.2	54.11	88·8	.0341	·8342	19.26.8	K	6 12 „
3	20.179	19.66	86.7	54.19	88.0	·0344	.8351	19·27·2	K	7 12 „
4	20.385	19.60	86.1	54.43	87.6	·0334	·8377	19·28.3	K	8 12 „
5	20.728	19.62	86.0	54.47	87.2	.0337	.8382	19·28.3	K	9 12 „
6	21.002	19.42	85.4	54.56	86.9	·0305	.8392	19·29.1	B	10 12 „
7	21.071	19.36	85.1	54.65	86.6	.0295	·8402	19·29·6	B	11 12 „
8	21.139	19.34	84.9	54.69	86.4	·0292	.8406	19.29.9	B	Midnight.
9	21.208	19.34	84.8	54.73	86.1	.0292	.8410	19·30.1	C	1 12 a. m.
10	21.276	19·28	84.4	54.68	86.0	.0282	.8405	19.30.1	C	2 12 „
11	21.071	19.39	84·1	54.69	85.8	.0300	.8406	19.29·8	C	3 12 „
12	21.208	19.42	84.0	54.86	85.6	·0305	.8425	19.30·5	C	4 12 „
13	22.101	19.47	84.0	55.16	85.3	·0314	·8458	19.31·8	K	5 12 „
14	24.432	19.60	84.0	55.26	85.3	·0334	.8460	19.31.8	K	6 12 „
15	25.943	19.79	84.5	55.06	85.4	·0306	.8447	19.30.6	K	7 12 „
16	25.463	20.19	84.9	54.47	85·8	.0431	·8382	19·27.1	B	8 12 „
17	22.512	20.73	85.9	53.85	86.5	·0520	.8314	19.23·3	B	9 12 „
18	19.561	21.10	86.9	53.70	87.2	·0580	.8297	19.22·0	B	10 12 „
19	17.298	21.16	87.6	53.68	87.8	·0590	·8295	19.21·7	B	11 12 „
20	16.200	20.98	88.2	53.85	88.3	.0560	.8314	19·22·8	B	Noon.
21	16.200	20.70	88.5	54.12	88.8	.0515	.8343	19·24.5	C	1 12 p. m.
22	18.121	20.38	88.7	54.35	89·1	.0462	·8369	19·26.2	C	2 12 „
23	20.110	20.09	88.8	54.55	89.3	.0415	.8391	19·27·6	C	3 12 „
May 18th-Noon.	21.139	19.96	88.7	54.47	89.7	.0393	.8382	19.26.6	C	4 12 „
1	21.758	19.71	88.2	54.28	89.2	·0353	·8361	19.27·3	K	5 12 „
2	21.345	19.46	87.2	54.22	88.8	.0312	·8354	19·27·7	K	6 12 „
3	20·316	19.39	86.4	54.24	88.0	·0298	·8356	19.27.9	K	7 12 „
4	20.590	19.42	86.0	54.42	87.3	·0305	.8376	19.28·5	K	8 12 „
5	20.796	19.46	85.7	54.61	87.0	·0312	.8397	19.29.4	K	9 12 „
6	21.002	19.43	85.3	54.65	86.6	.0307	·8402	19·29.5	B	10 12 „
7	20.933	19.49	85.0	54.72	86.5	.0317	·8409	19·29.6	B	11 12 „
8	21.002	19.51	84.9	54.71	86.4	·0320	·8408	19.29.6	B	Midnight.
9	21.345	19.52	84.8	54.70	86.2	·0321	.8407	19.29.6	C	1 12 a. m.
10	21.482	19.56	84.6	54.68	86.0	·0328	·8405	19.29.4	C	2 12 „
11	21.826	19.47	84.1	54.77	85.6	.0314	·8515	19.30·1	C	3 12 „
12	21.619	19.60	84.0	54.83	85.4	·0334	·8421	19·30·1	C	4 12 „
13	21.758	19.82	84.2	54.81	85.4	.0370	.8419	19·29·4	K	5 12 „
14	23.473	19.87	84.3	54.91	85.2	.0379	·8430	19.29·8	K	6 12 „
15	23.677	20.04	85.0	54.86	85.3	·0407	·8425	19.29.2·	K	7 12 „
16	22.718	20.35	85.3	54.27	85.7	.0457	.8410	19·25.9	B	8 12 „
17	20.933	20.87	85.9	53·87	86·8	·0543	.8315	19·23.2	B	9 12 „
18	19.699	21.29	87.0	53.73	87.0	.0612	·8300	19.22.7	B	10 12 „
19	18.052	21.19	87.7	52.75	87.4	.0595	.8303	19.22.9	B	11 12 „
20	16·680	21.18	88.3	53.75	88.2	·0593	.8303	19.22.0	B	Noon.
21	16.337	21.20	89.0	53.93	89.0	.0597	.8322	19·23.6	C	1 12 p. m.
22	17.641	20.94	89.1	53.89	89.8	.0554	·8318	19·23.1	C	2 12 „
23	17.778	20·73	89.4	54.10	90.0	·0520	.8341	19·24.4	C	3 12 „

On the 16th, at about 18h. 45m., Dip as obtained by Observation was 19°05′9.

DAILY OBSERVATIONS FROM 19TH TO 22ND MAY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
May 19th-Noon.	18'875	20.57	89°0	54.21	90°0	8.0494	2.8353	19°26'6	C	4 12 p. m.
1	19.836	20.15	88.6	54.16	90.0	.0424	.8348	19.27.3	K	5 12 ,,
2	18.395	20.30	87·8	54.08	89.2	.0449	.8339	19.26.5	K	6 12 ,,
3	19.356	18.38	87.0	54.46	88.5	.0134	.8381	19.31.0	K	7 12 ,,
4	20.179	17.41	86.7	54.43	87.8	7.9976	.8377	19.32.9	K	8 12 ,,
5	22.237	17·36	86.2	54.56	87.0	.9967	.8392	19.33.5	K	9 12 ,,
6	22.854	17.07	86.0	54·62	86.6	.9920	.8398	19.34.4	B	10 12 ,,
7	23.267	17.34	85.9	54.70	86.6	.9964	.8407	19.34.3	B	11 12 ,,
8	23.267	17.41	85.5	54.75	86.6	.9976	.8413	19.34.3	B	Midnight.
9	22.854	18.15	85.3	54.74	86.5	8.0096	.8411	19.32.6	C	1 12 a. m.
10	23.335	18.30	85.0	54.85	86.2	.0121	.8424	19.32.8	C	2 12 ,,
11	22.787	18.36	85.0	55.18	86.0	.0131	.8460	19.34.1	C	3 12 ,,
12	22.787	18.41	84.9	55.16	86.0	.0140	.8458	19.34.0	C	4 12 ,,
13	22.787	18.43	84.9	54.88	86.0	.0143	.8427	19.32.8	K	5 12 ,,
14	24.295	18.62	85.0	54.98	86.1	.0173	.8438	19.32.8	K	6 12 ,,
15	25.437	18.70	85.4	54.64	86.3	.0187	.8400	19.31.0	K	7 12 ,,
16	24.983	18.91	86.0	54.09	86.4	.0221	.8340	19.28.3	B	8 12 ,,
17	22.444	19.39	86.5	53.30	86.8	.0300	.8253	19.23.9	B	9 12 ,,
18	19.150	19.71	87.4	53.22	87.4	.0353	.8244	19.22.8	B	10 12 ,,
19	16.817	19.83	88.0	53·52	88.0	.0372	.8277	19.23.9	B	11 12 ,,
20	16.063	19.73	88.5	53.75	88.4	.0356	.8303	19.25.0	B	Noon.
21	16.063	19.71	89.0	53.92	89.0	.0253	.8321	19.25.8	C	1 12 p. m.
22	17.709	19.34	89.8	54.19	89.8	.0292	.8351	19.27.8	C	2 12 ,,
23	19.767	19.14	89.9	54.36	90.1	.0259	.8370	19.28.9	C	3 12 ,,
May 20th-Noon.	21.208	19.15	89.9	54.42	90.5	.0260	.8376	19.29.1	C	4 12 ,,
1	21.963	19.08	89.8	54.31	90.3	.0265	.8364	19.28.5	K	5 12 ,,
2	21.758	18.78	87·8	54.22	89.8	.0200	.8354	19.29.1	K	6 12 ,,
3	21.415	18.61	87.0	54.22	88.8	.0172	.8354	19.29.5	K	7 12 ,,
4	21.415	18.54	86.8	54.31	88.2	.0161	.8364	19.29.9	K	8 12 ,,
5	21.551	18.81	86.5	54.34	88·0	.0205	.8367	19.29.5	B	9 12 ,,
6	21.551	19.02	86.5	54.46	87.9	.0239	.8381	19.29.6	B	10 12 ,,
7	21.551	18.95	86.5	54.48	87.8	.0227	.8383	19.29.8	B	11 12 ,,
8	21.758	18.88	86.3	54.51	87.6	.0216	.8386	19.30.0	B	Midnight.
9	21.826	18.98	86.3	54.49	87.5	.0232	.8384	19.29.8	C	1 12 a. m.
10	21.345	19.06	86.6	54.49	87.4	.0246	.8384	19.29.5	C	2 12 ,,
11	21.758	19.16	86.0	54.60	87.2	.0262	.8396	19.29.9	C	3 12 ,,
12	22.101	19.36	85.9	54.55	87.0	.0295	.8391	19.29.2	C	4 12 ,,
13	22.237	19.09	85.8	54.61	87.0	.0251	.8397	19.30.1	K	5 12 ,,
14	23.677	19.35	85.8	54.82	86.7	.0293	.8420	19.30.5	K	6 12 ,,
15	25.600	19.25	86.2	54.85	86·8	.0277	.8424	19.30.8	K	7 12 ,,
16	25.737	19.42	86.7	54.81	87.0	.0305	.8375	19.28.5	B	8 12 ,,
17	24.226	19.73	87.2	53.68	87.5	.0356	.8295	19.24.7	B	9 12 ,,
18	21.139	20.10	88.0	53.09	88.0	.0416	.8230	19.21.4	B	10 12 ,,
19	18.327	20.39	88.7	53.24	88.6	.0464	.8246	19.21.5	B	11 12 ,,
20	17.915	20.18	89.2	53.63	89.2	.0429	.8289	19.23.5	B	Noon.
21	18.327	19.99	89.7	53.77	89.6	.0398	.8307	19.24.6	C	1 12 p. m.
22	19.081	19.66	90.0	54.04	90.0	.0344	.8334	19.26.5	C	2 12 ,,
23	19.836	19.40	90.0	54.12	90.5	.0302	.8343	19.27.4	C	3 12 ,,
May 22nd-Noon.	19.493	19.60	90.2	54.04	91.2	.0334	.8334	19.26.6	K	4 12 ,,
1	20.247	19.48	89.5	54.13	91.0	.0315	.8344	19.27.1	K	5 12 ,,
2	21.688	18.99	88·5	54.31	90.3	.0234	.8364	19.29.0	K	6 12 ,,
3	21.619	19.39	87.5	54.18	89.2	.0300	.8350	19.29.7	K	7 12 ,,
4	21.415	19.12	87.0	54.36	88.5	.0255	.8359	19.28.5	K	8 12 ,,
5	21.482	19.08	86.5	54.37	88.2	.0249	.8371	19.29.0	B	9 12 ,,
6	21.482	19.01	86.3	54.42	87.9	.0238	.8376	19.29.4	B	10 12 ,,
7	20.796	19.16	86.0	54.53	87.6	.0262	8388	19.29.6	B	11 12 ,,
8	21.758	19.30	85.6	54.60	87.4	.0285	.8396	19.29.5	B	Midnight.
9	21.826	19.25	85.6	54.59	87.1	.0277	.8395	19.29.7	C	1 12 a. m.
10	21.758	19.26	85.5	54.77	87.0	.0279	.8415	19.30.5	C	2 12 ,,
11	21.415	19.27	85.2	54.75	86.9	.0281	.8413	19.30.4	C	3 12 ,,

On the 19th, at about 8h. 30m., Dip as obtained by Observation was 19°03'1.
On the 20th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 22ND TO 25TH MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY 22ND—12	21·415	19.36	85·1	54.80	86·5	8·0295	2.8418	19°30·4	C	4 12 a. m.
13	21.826	19·42	85.0	54.89	86.2	.0305	.8428	19.30·6	K	5 12 „
14	23.060	19.33	85.0	55.03	86.2	·0290	·8443	19.31·4	K	6 12 „
15	24.502	19.45	85.3	55.09	86.4	.0310	.8450	19.31·5	K	7 12 „
16	24·502	19.77	86.0	54.79	86·9	.0363	.8417	19.29.5	K	8 12 „
17	23.677	19.91	86.6	54.24	87.2	.0385	.8356	19.26.7	B	9 12 „
18	22.032	19·95	87.4	53.83	87.6	.0391	.8311	19.24·9	B	10 12 „
19	20.590	20.32	88.2	53.70	88·2	.0452	.8297	19.23.6	B	11 12 „
20	19.356	20.31	88.6	53.76	88·8	.0451	.8304	19.23.8	B	Noon.
21	18·807	20.17	89.0	53.93	89.4	.0428	.8322	19.24.8	C	1 12 p. m.
22	19.013	19.88	89.5	53.95	90.0	.0380	.8325	19.25.7	C	2 12 „
23	19.767	19.74	89.9	54.13	90.2	.0358	.8344	19·26.6	C	3 12 „
MAY 24TH—Noon.	20.728	20.01	90·5	54.34	91.4	·0402	.8367	19.27.0	B	4 12 „
1	20.933	19.82	89.7	54.36	91.2	·0370	.8370	19.27.5	B	5 12 „
2	21.276	19.48	88.7	54.54	90.5	.0315	.8389	19.28.8	B	6 12 „
3	20·796	19.45	88.0	54.49	89.8	.0310	.8384	19.28.8	K	7 12 „
4	21.002	19·54	87.5	54.53	89.2	.0325	.8388	19.28.7	K	8 12 „
5	21.071	19.50	87.3	54.61	88·8	.0333	.8397	19.29.1	K	9 12 „
6	20.865	19.57	87.0	54.60	88.2	.0330	.8397	19.29.1	K	10 12 „
7	21.071	19.57	86.7	54.66	88.0	.0330	.8403	19.29.3	B	11 12 „
8	21·415	19·38	86·4	54.75	87.5	.0298	.8413	19.30.1	B	Midnight.
9	21.551	19.52	86.2	54.78	87.8	.0288	.8416	19.30.3	C	1 12 a. m.
10	21.758	19.54	86·2	54.71	87.6	.0325	.8408	19.29.5	C	2 12 „
11	21·415	19.55	86.1	5.468	87.4	.0326	.8405	19.29.4	C	3 12 „
12	21.071	19.55	85.9	54.71	87.1	.0326	.8408	19.29·5	C	4 12 „
13	21.895	19.60	86.1	54.83	87.1	.0334	.8421	19.30.1	K	5 12 „
14	23·335	19·70	86.1	55.01	87.0	.0351	.8441	19.30.5	K	6 12 „
15	23.473	19.85	86.4	54.89	87.0	.0375	.8428	19.29.7	K	7 12 „
16	23.335	20.23	86.9	54.63	87.5	.0438	.8399	19.27.7	B	8 12 „
17	22.101	20.74	87.7	54.14	88·0	.0522	.8345	19.24.6	B	9 12 „
18	21.276	20.94	88.3	54.01	88.6	.0554	·8331	19.23.6	B	10 12 „
19	19.973	21.23	89.0	53.99	89.0	.0602	.8329	19.23.9	B	11 12 „
20	19.218	21.30	89.6	54.07	89.5	.0613	.8338	19.24.2	B	Noon.
21	19·081	20.06	90.0	54.30	90.0	.0578	·8363	19.24.6	C	1 12 p. m.
92	19.494	20.78	90.1	54.32	90.5	.0528	.8365	19.25.2	C	2 12 „
23	20.042	20.44	90.5	54.36	90.9	.0473	.8370	19.26.2	C	3 12 „
MAY 25TH—Noon.	21·071	19.93	90.1	54.38	91.0	.0388	.8372	19.27.2	C	4 12 „
1	21.826	19.87	90.0	54.43	91.0	.0330	.8377	19.28.3	K	5 12 „
2	21.551	19.32	88.8	54.31	90.2	.0288	·8364	19.28.2	K	6 12 „
3	20.590	19.35	88.0	54·34	89.7	.0293	.8367	19.28.4	K	7 12 „
4	20.590	19.37	87.5	54.47	89.0	.0297	.8382	19.28.8	K	8 12 „
5	20·928	19·35	87.1	54.54	88.7	·0293	·8389	19.29.2	K	9 12 „
6	20.933	19.34	86.7	54.63	88.2	.0292	.8399	19.29.6	B	10 12 „
7	21.276	19.38	86.5	54.68	87.8	.0298	.8405	19.29.8	B	11 12 „
8	21.208	19.38	86.3	54.72	87.4	.0298	·8409	19.29.9	B	Midnight.
9	21.415	19.42	86.0	54.71	87.0	.0305	.8408	19.29·8	C	1 12 a. m.
10	21.345	19.48	86.0	54.84	87.0	.0315	.8422	19.30.1	C	2 12 „
11	21.619	19.51	85.8	54.91	87.0	.0320	.8430	19.30.5	C	3 12 „
12	21.758	19.56	85.4	54.98	86.9	.0328	.8438	19.30.7	C	4 12 „
13	22.032	19.54	85.4	55.10	86.5	.0325	.8451	19.31.2	K	5 12 „
14	23.130	19.59	85.5	55.20	86.5	.0333	.8462	19.31.5	K	6 12 „
15	23 609	19.74	86·0	55.10	86.7	.0358	.8451	19.30.8	K	7 12 „
16	23.267	20.05	86.4	54.69	87.0	.0408	.8406	19·28.4	B	8 12 „
17	21.688	20.58	87·4	54.11	87.6	.0495	·8342	19.24.7	B	9 12 „
18	19.930	20.74	88.2	53.89	88.2	.0522	.8318	19.23.5	B	10 12 „
19	17.984	20.79	88.6	53.86	88.6	.0530	·8315	19.23.3	B	11 12 „
20	17.915	20.87	89.2	54.03	89.2	.0543	·8333	19.23.9	B	Noon.
21	19.013	20.81	89.7	54.49	89.6	.0533	.8384	19.25.9	C	1 12 p. m.
22	19.699	20.53	89.9	54.64	90.0	.0495	.8400	19.27.0	C	2 12 „
23	20.728	20.23	89.9	54.64	90.3	.0438	.8400	19.27.8	C	3 12 „

DAILY OBSERVATIONS FROM 26TH TO 28TH MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY 26TH-Noon.	21·002	19.94	89·8	54.41	90·4	8.0390	2.8375	19°27'4	C	4 12 p. m.
1	21.139	19.75	89.2	54.31	90.4	.0359	.8364	19.27.3	K	5 12 ,,
2	21.071	19.57	88.5	54.39	89.8	.0330	.8373	19.28.1	K	6 12 ,,
3	20.590	19.55	87.7	54·45	89.0	.0326	.8380	19.28.4	K	7 12 ,,
4	20.522	19.57	87.2	54.51	88.8	·0330	.8386	19.28.6	K	8 12 ,,
5	20.865	19.60	87.0	54.69	88.0	·0334	.8406	19·29.4	K	9 12 ,,
6	21.139	19.54	86.7	55.23	87.6	.0325	.8465	19.31.7	B	10 12 ,,
7	21.276	19.45	86.4	55.41	87.5	.0310	.8485	19.32.8	B	11 12 ,,
8	21.415	19.47	86.2	55.44	87.4	·0314	.8488	19.32.9	B	Midnight.
9	21.071	19.48	86.0	55.44	87.2	.0315	·8488	19.32.7	C	1 12 a. m.
10	21.758	19.55	86.0	55.46	87.1	.0326	.8491	19.32.7	C	2 12 ,,
11	21.895	19.57	85.9	55.47	87.0	.0330	.8492	19.32.7	C	3 12 ,,
12	21.619	19.60	85.9	55.45	87.0	.0334	.8490	19.32.7	C	4 12 ,,
13	21.963	19.59	86.0	55.51	87.0	.0333	.8496	19.32.9	K	5 12 ,,
14	22.787	19.70	86.2	55.31	87.0	.0351	.8474	19.30.7	K	6 12 ,,
15	23.540	19.89	86.8	55.12	87.2	.0382	.8453	19.30.7	K	7 12 ,,
16	22.444	20.14	87.0	54.73	87.7	.0423	.8410	19.28.4	B	8 12 ,,
17	21.415	20.44	87.9	54.54	88.0	.0473	.8389	19.26.9	B	9 12 ,,
18	20.453	20.74	88.6	54.41	88.6	.0522	.8375	19.25.7	B	10 12 ,,
19	19.424	20.71	89.4	54·48	89.2	.0517	.8383	19·26.0	B	11 12 ,,
20	18.807	20.53	89·8	54.49	89.6	.0487	.8384	19.26.4	B	Noon.
21	19.424	20.39	90.3	54.46	90.1	·0464	.8381	19.26.7	C	1 12 p. m.
22	20.316	20.18	90.2	54.36	90.3	.0429	.8370	19·26.7	C	2 12 ,,
23	20·385	20.02	90.0	54.52	90.6	.0403	.8387	19.27·8	C	3 12 ,,
MAY 27TH-Noon.	20.522	19.87	90.0	54.52	90.8	.0379	·8387	19.28.1	C	4 12 ,,
1	21.071	19.76	89.8	54.54	90.5	.0361	.8389	19.28.3	K	5 12 ,,
2	21.139	19.61	89.0	54.55	90.4	.0336	.8391	19.28.7	K	6 12 ,,
3	20.796	19.43	88.5	54.60	90.0	.0307	.8396	19.29.3	K	7 12 ,,
4	21.071	19.42	88.0	54.64	89.5	.0305	.8400	19·29.5	K	8 12 ,,
5	20.933	19.50	87.8	54.61	88.8	.0318	.8397	19.29.2	K	9 12 ,,
6	21.276	19·48	87.5	54·88	88.5	.0315	.8427	19.30.4	B	10 12 ,,
7	21·208	19.50	87·2	54.95	88·4	.0318	.8435	19.30.7	B	11 12 ,,
8	21.276	19.57	87.0	55.00	88.3	.0330	.8440	19.30.8	B	Midnight.
9	21.482	19.54	86.9	55.01	88.0	·0325	.8441	19.30.8	C	1 12 a. m.
10	21.482	19.70	86.9	55.02	88.0	.0351	·8442	19.30.5	C	2 12 ,,
11	21.619	19.72	86.8	55·02	88.0	.0354	.8442	19·30.5	C	3 12 ,,
12	21.619	19.72	86·8	55.01	87.8	.0354	.8441	19.30·5	C	4 12 ,,
13	21.963	19.73	86.8	55.03	87.8	.0356	.8443	19·30.5	K	5 12 ,,
14	23.335	19.76	86.6	55.18	87.6	.0361	.8460	19.31.1	K	6 12 ,,
15	23.677	20.02	87·0	55.09	87.9	.0403	.8450	19 30.3	K	7 12 ,,
16	22.991	20.39	87·5	54.80	88·0	.0464	.8418	19.28.2	B	8 12 ,,
17	22.101	20.77	88.3	54.43	88.5	.0527	.8377	19·25.7	B	9 12 ,,
18	20·728	20.83	88.8	54.27	89.0	.0536	.8360	19 24.9	B	10 12 ,,
19	19.218	20.74	89.6	58.24	89.5	.0522	.8356	19.25.0	B	11 12 ,,
20	18.670	20.49	90.3	54·33	90·2	.0481	.8366	19.25·9	B	Noon.
21	19.081	20.25	90.4	54.37	90.2	.0457	.8371	19.26.3	C	1 12 p. m.
22	19.561	20.20	90.7	54.40	90.5	.0433	.8374	19.26.8	C	2 12 ,,
23	19.767	20.12	91.1	54.31	91·0	.0419	.8364	19.26 5	C	3 12 ,,
MAY 28TH-Noon.	20.453	19.95	91.0	54.37	91.6	.0391	.8371	19.27.2	K	4 12 ,,
1	20.590	19.89	90.8	54.35	91·5	.0382	.8369	19.27.3	B	5 12 ,,
2	20.522	19.80	90.2	54.33	91.0	·0367	.8366	19.27.3	B	6 12 ,,
3	20.179	19.71	89.7	54.58	90.7	.0353	.8394	19.28.6	C	7 12 ,,
4	20.316	19.72	89.6	54.71	90·2	.0354	.8408	19.29.2	C	8 12 ,,
5	20.453	19.65	88.8	54.84	89·8	.0342	·8422	19.29.9	K	9 12 ,,
6	20.522	19.79	88·7	54.83	89.2	.0366	.8421	19.29.5	K	10 12 ,,
7	20.728	19.77	88.3	54.99	89.0	.0363	.8439	19.30.3	B	11 12 ,,
8	20.796	19.87	88.1	54.97	88·9	.0379	.8437	19.30.1	B	Midnight.
9	20·728	19.87	88.1	54.98	88.9	.0379	.8438	19.30.1	C	1 12 a. m.
10	21.208	19.74	88.0	55.04	88.8	.0358	.8444	19·30.5	C	2 12 ,,
11	21.276	19.79	88.0	55.06	88.6	.0366	.8447	19.30.6	K	3 12 ,,

On the 26th, at about 18h. 40m., Dip as obtained by Observation was 19°00'6.
On the 27th, at about 18h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 28TH TO 31ST MAY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
MAY. 28TH—12	21·345	19.86	87·8	55.05	88·4	8.0377	2.8446	19°30'4	K	4 12 a.m.
13	21.619	20.06	87.6	55.15	88.4	.0410	.8457	19.30.5	B	5 12 „
14	23.746	20.17	87·5	55.33	88.2	.0428	.8476	19.30.8	B	6 12 „
15	24.295	20.31	87.8	55.25	88.2	.0451	.8468	19.30.2	K	7 12 „
16	23.816	20.58	88.2	54.75	88.4	.0495	.8413	19.27.5	K	8 12 „
17	22.168	21.00	89.0	54·38	89·0	.0564	.8372	19.25.0	B	9 12 „
18	20.316	21.16	89.8	54.24	89.4	.0590	.8356	19.24·1	B	10 12 „
19	18.464	21.23	90.1	54.26	90.0	.0602	.8359	19.25.1	B	11 12 „
20	17.298	20.78	90.3	54.46	90.1	.0528	.8381	19.25.8	B	Noon.
21	17.298	20.43	90.6	54.42	90.5	.0471	.8376	19·26.4	C	1 12 p.m.
22	18.738	20.39	91.0	54.58	90·8	.0464	.8394	19.27.2	C	2 12 „
23	19.630	20.18	91.2	54.68	91.0	.0429	.8405	19.28.1	C	3 12 „
MAY. 30TH-Noon.	22.305	19.76	91.9	54.63	92.5	.0361	·8399	19.28.7	C	4 12 „
1	22.101	19.38	91.2	54.53	92.4	.0298	.8388	19.29.1	C	5 12 „
2	22·444	19·16	90.4	54.51	92.0	.0279	.8386	19.29.3	C	6 12 „
3	21.208	19.28	90.0	54.43	91.0	.0282	·8377	19.29.0	C	7 12 „
4	20.933	19.36	89.7	54.61	90.9	.0295	.8397	19.29·5	C	8 12 „
5	21.415	19.41	89.5	54·66	90.4	.0304	.8403	19.29.7	K	9 12 „
6	21.276	19.37	89.4	54.76	90.2	.0297	.8414	19.30.1	K	10 12 „
7	21.482	19.46	89.3	54.90	90·0	.0312	.8429	19.30.6	K	11 12 „
8	21.826	19.47	88.7	54.89	89.7	.0314	.8428	19.30.6	K	Midnight.
9	21.551	19.41	88.3	54.86	89.4	.0304	.8425	19.30.6	B	1 12 a.m.
10	21·130	19.50	88·3	54.88	89.3	.0318	·8427	19.30.4	B	2 12 „
11	21.130	19.51	87.9	54.95	89.0	.0320	.8435	19.30.7	B	3 12 „
12	21.345	19.51	87.3	54.91	88.6	.0320	.8430	19.30·5	B	4 12 „
13	21.758	19.53	87·3	54.98	88.5	.0323	.8437	19.30.8	C	5 12 „
14	22.854	19.68	87.4	55.02	88.2	.0347	.8442	19.30.5	C	6 12 „
15	23.473	19.71	87.6	55·04	88.4	.0353	.8444	19.30.6	C	7 12 „
16	24.159	19.99	88.0	54.81	88.8	.0398	.8419	19.29.0	C	8 12 „
17	22.787	20.44	88.8	54·37	89.0	.0473	.8371	19.26.2	K	9 12 „
18	21.482	20.73	89.2	54.18	89.2	.0520	.8349	19.24.7	K	10 12 „
19	19.630	20·91	90.2	54.05	89.8	.0549	.8336	19.23.8	K	11 12 „
20	18·601	21.02	91.2	54·03	90.4	.0567	.8333	19.23.5	K	Noon.
21	18.464	20.81	92.0	54.19	91.4	.0533	.8351	19·24.7	B	1 12 p.m.
22	19.944	20.41	92.4	54.36	92·0	.0468	.8370	19.26.2	B	2 12 „
23	20.110	19.86	92.5	54.53	92.5	·0377	.8388	19.28.1	B	3 12 „
MAY 31ST-Noon.	21.345	19.85	92·4	54.53	92.7	·0375	.8388	19.28.1	B	4 12 „
1	21.415	19.74	91.8	54.48	92.9	.0358	.8383	19.28.1	C	5 12 „
2	21.208	19.62	91·0	54.37	92.1	.0337	.8371	19.27.9	C	6 12 „
3	21.071	19.50	90.6	54.41	91.5	.0318	.8375	19.28.3	C	7 12 „
4	20.796	19.49	90·2	54.56	91.2	.0317	·8392	19.28.9	C	8 12 „
5	21.002	19.61	90.2	54.66	90.8	.0336	.8403	19.29.2	K	9 12 „
6	21.139	19.62	90·0	54.68	90.5	·0337	.8405	19.29.3	K	10 12 „
7	21.139	19.64	89.8	54.69	90.2	.0341	.8406	19.29.3	K	11 12 „
8	21.415	19.66	89.8	54.80	90.0	.0344	.8418	19.29.8	K	Midnight.
9	21.551	19.61	89.5	54.84	89.8	.0336	.8422	19.29.9	B	1 12 a. m.
10	21.482	19.57	89.3	54.84	89.8	.0330	.8422	19.30.0	B	2 12 „
11	21.415	19.42	89.2	54.84	89.7	.0305	.8422	19.30.3	B	3 12 „
12	21.482	19.63	89.0	54.91	89.6	.0339	.8430	19.30·3	B	4 12 „
13	22.305	19.72	89.0	55.07	89.6	.0354	.8448	19.30.8	C	5 12 „
14	24.159	19.52	88.0	55.26	88.8	.0320	.8469	19.31.9	C	6 12 „
15	24.846	19.64	88.0	55.09	88·3	.0341	.8450	19·31.1	C	7 12 „
16	24.090	20·10	88.8	54.82	88.6	.0416	.8420	19.28.8	C	8 12 „
17	22·444	20.54	89.4	54.53	89.2	.0489	.8388	19·26.6	K	9 12 „
18	20.453	20·81	89.8	54·34	89·5	.0533	.8367	19·25.3	K	10 12 „
19	19·561	20.88	90·1	54.40	90.0	.0544	.8374	19.25.4	K	11 12 „
20	18.395	20.91	90.8	54.31	90.3	.0549	.8364	19.24.8	K	Noon.
21	17.984	20·77	91·4	54.33	91.0	.0527	.8366	19.25.2	B	1 12 p.m.
22	19.493	20.56	92.0	54.57	91.6	.0492	.8393	19.26.8	B	2 12 „
23	20.796	20.15	92.0	54.64	92.0	.0424	.8400	19.28.0	B	3 12 „

On the 30th, at about 18h., Dip as obtained by Observation was 19°02'8.

DAILY OBSERVATIONS FROM 1ST TO 3RD JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 1ST-Noon.	21'758	19.92	92°0	54.62	92°2	8.0386	2.8398	19°28'3	L	4 12 p. m.
1	22.101	19.79	91.6	54.44	92.2	.0366	.8378	19.26.8	C	5 12 ,,
2	21.619	19.71	91.4	54.33	92.0	.0353	.8366	19.27.5	C	6 12 ,,
3	20.728	19.59	90.9	54.34	91.3	.0333	.8357	19.27.9	C	7 12 ,,
4	20.865	19.44	90.0	54.53	90.5	.0309	.8388	19.29.0	C	8 12 ,,
5	20.522	19.53	90.0	54.56	90.2	.0323	.8392	19.28.9	K	9 12 ,,
6	21.071	19.53	90.0	54.72	90.0	.0323	.8409	19.29.6	K	10 12 ,,
7	21.071	19.55	89.8	54.79	89.8	.0326	.8417	19.29.9	K	11 12 ,,
8	21.688	19.53	89.2	55.17	89.0	.0323	.8459	19.31.6	K	Midnight.
9	21.345	19.52	88.6	55.26	88.5	.0321	.8469	19.31.9	B	1 12 a. m.
10	21.008	19.62	88.5	55.26	88.5	.0337	.8469	19.31.7	B	2 12 ,,
11	21.482	19.62	88.3	55.28	88.5	.0337	.8471	19.31.8	B	3 12 ,,
12	21.688	19.68	88.0	55.35	88.3	.0347	.8479	19.31.9	B	4 12 ,,
13	21.895	19.77	88.0	55.39	88.3	.0363	.8483	19.32.0	C	5 12 ,,
14	23.540	19.91	87.9	55.54	88.2	.0385	.8499	19.32.2	C	6 12 ,,
15	24.021	20.04	88.0	55.34	88.3	.0407	.8477	19.31.2	C	7 12 ,,
16	23.267	20.48	88.2	55.16	88.6	.0479	.8458	19.30.6	C	8 12 ,,
17	21.619	20.83	89.1	54.87	89.0	.0536	.8426	19.27.5	K	9 12 ,,
18	19.904	21.08	90.0	54.59	89.6	.0577	.8395	19.25.8	K	10 12 ,,
19	18.327	21.14	90.8	54.41	90.2	.0585	.8375	19.24.8	K	11 12 ,,
20	17.298	21.16	91.3	54.48	90.6	.0590	.8383	19.25.1	K	Noon.
21	16.817	20.91	91.5	54.83	90.9	.0549	.8421	19.27.1	L	1 12 p. m.
22	18.601	20.48	91.6	55.05	91.0	.0479	.8446	19.29.1	L	2 12 ,,
23	19.767	20.23	91.6	55.21	91.1	.0438	.8463	19.30.2	L	3 12 ,,
JUNE 2ND-Noon.	21.002	19.96	91.8	55.19	91.3	.0393	.8461	19.30.7	L	4 12 ,,
1	21.415	19.77	91.3	55.23	91.0	.0363	.8465	19.31.3	C	5 12 ,,
2	21.619	19.51	90.7	55.06	90.5	.0320	.8447	19.31.2	C	6 12 ,,
3	21.071	19.28	90.0	55.01	90.0	.0282	.8441	19.31.5	C	7 12 ,,
4	20.865	18.98	88.2	55.01	89.2	.0232	.8441	19.32.1	C	8 12 ,,
5	20.796	19.27	86.8	55.11	88.8	.0281	.8452	19.31.9	K	9 12 ,,
6	20.728	19.44	87.3	54.80	88.0	.0309	.8418	19.30.2	K	10 12 ,,
7	20.796	19.44	87.0	54.85	87.4	.0309	.8424	19.30.4	K	11 12 ,,
8	21.071	19.34	86.2	55.04	86.4	.0292	.8444	19.30.4	K	Midnight.
9	21.130	19.46	86.1	55.04	86.3	.0312	.8444	19.31.2	B	1 12 a. m.
10	21.276	19.52	86.1	55.16	86.0	.0321	.8458	19.31.6	B	2 12 ,,
11	20.865	19.48	86.0	55.18	85.9	.0315	.8460	19.31.6	B	3 12 ,,
12	21.345	19.41	85.9	55.36	85.9	.0304	.8480	19.32.7	B	4 12 ,,
13	21.345	19.57	85.5	55.38	85.9	.0330	.8482	19.32.3	C	5 12 ,,
14	24.159	19.77	85.5	55.58	86.0	.0363	.8504	19.32.8	C	6 12 ,,
15	24.983	19.92	85.9	55.30	86.0	.0386	.8473	19.31.2	C	7 12 ,,
16	24.021	20.44	86.7	54.75	86.5	.0473	.8413	19.27.9	C	8 12 ,,
17	22.101	20.84	87.5	54.31	87.0	.0538	.8364	19.25.0	K	9 12 ,,
18	19.287	21.17	88.0	54.03	87.5	.0592	.8333	19.33.2	K	10 12 ,,
19	17.641	21.01	88.8	54.24	88.0	.0566	.8356	19.24.4	K	11 12 ,,
20	16.612	20.77	89.0	54.31	88.5	.0527	.8364	19.25.1	K	Noon.
21	17.160	20.63	89.3	54.52	88.9	.0503	.8387	19.26.5	L	1 12 p. m.
22	18.121	20.45	89.4	54.62	89.0	.0478	.8398	19.27.3	L	2 12 ,,
23	18.944	20.23	89.6	54.70	89.2	.0438	.8407	19.28.1	L	3 12 ,,
JUNE 3RD-Noon.	20.110	19.95	89.6	54.76	89.3	.0391	.8414	19.28.9	L	4 12 ,,
1	20.933	19.75	89.1	54.82	89.1	.0359	.8420	19.29.6	C	5 12 ,,
2	21.071	19.62	88.8	54.77	89.0	.0337	.8415	19.29.7	C	6 12 ,,
3	20.659	19.45	88.3	54.75	88.4	.0310	.8413	19.30.0	C	7 12 ,,
4	20.659	19.46	88.0	54.91	88.0	.0312	.8430	19.30.7	C	8 12 ,,
5	21.208	19.49	87.7	54.94	88.0	.0317	.8433	19.30.6	K	9 12 ,,
6	20.865	19.55	87.5	55.03	87.8	.0326	.8443	19.30.9	K	10 12 ,,
7	21.208	19.47	87.4	55.05	87.6	.0314	.8446	19.31.3	K	11 12 ,,
8	21.345	19.50	87.2	55.07	87.4	.0318	.8448	19.31.2	K	Midnight.
9	21.415	19.53	87.0	55.22	87.4	.0331	.8464	19.31.6	B	1 12 a. m.
10	21.415	19.65	86.8	55.17	87.0	.0342	.8459	19.31.4	B	2 12 ,,
11	21.551	19.55	86.4	55.21	86.9	.0326	.8463	19.31.6	B	3 12 ,,

On the 2nd, at about 19h., Dip as obtained by Observation was 19°10'3.

DAILY OBSERVATIONS FROM 3RD TO 6TH JUNE 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
June 3rd—12	21·551	19.67	86·2	55.24	86·7	8.0346	2.8466	19°31′4	B	4 12 a. m.
13	22.032	19.58	86.0	55.41	86.6	.0331	.8485	19.32.5	C	5 12 „
14	23 667	19.77	86.0	55.69	86.5	·0363	.8516	19.33.3	C	6 12 „
15	24.846	19.98	86.0	55.45	86·7	.0396	.8490	19.31.8	C	7 12 „
16	25.737	20.48	86.9	55.07	87.1	.0479	.8448	19.29.2	C	8 12 „
17	24.984	20.97	87.6	54.62	87.4	.0559	·8398	19.26.1	K	9 12 „
18	23.335	21·32	88.2	54.33	87.8	.0616	.8366	19.25.0	K	10 12 „
19	21.002	21.31	89.1	54.14	88.6	.0615	.8345	19.24.3	K	11 12 „
20	19.218	21.33	89.6	54.17	89.1	.0618	·8349	19.24.4	K	Noon.
21	18.189	21·15	90.0	54.34	89.5	.0588	.8367	19.24.5	L	1 12 p. m.
22	18.738	20.60	90.6	54.53	90.3	.0498	.8388	19.26.5	L	2 12 „
23	19.699	20.11	91.0	54.63	91.0	·0418	.8399	19.27.9	L	3 12 „
June 5th-Noon.	19.699	19.71	87.0	55.12	88.0	.0353	.8453	19.31.0	C	4 12 „
1	20.659	19.47	87.0	55.09	88.0	.0314	.8450	19 31.5	C	5 12 „
2	20.933	19.33	86.9	54.94	88.0	.0290	.8433	19.31.0	C	6 12 „
3	20.385	19.32	86·0	54.97	87.4	.0288	.8437	19.31.2	C	7 12 „
4	20.453	19.53	86.0	55.02	87.4	.0323	.8442	19.30.9	C	8 12 „
5	20.728	19.51	86.2	55.07	87·2	.0320	.8448	19.31.2	K	9 12 „
6	20.933	19.59	86.3	55.11	87.1	.0333	.8452	19.31.2	K	10 12 „
7	21.139	19·60	86.3	54.91	87.0	.0334	.8430	19.30.4	K	11 12 „
8	21.208	19.43	86.0	55.00	86.8	.0327	.8440	19.30.8	K	Midnight.
9	21.895	19.26	85.1	55.08	86.5	.0279	.8449	19.31.8	B	1 12 a. m.
10	21.758	19.50	84.7	55.04	86.2	.0318	.8444	19.31.0	B	2 12 „
11	21.345	19.55	85.0	55.04	86.3	.0326	.8444	19.30.9	B	3 12 „
12	21.482	19.04	84.1	55.16	85.4	.0243	·8458	19.32.7	B	4 12 „
13	21.415	19.30	83.1	55.19	84.5	.0285	.8461	19·32·0	C	5 12 „
14	22.787	19.39	83.0	55.43	84·0	.0300	.8487	19.33.0	C	6 12 „
15	24.363	19.55	82.7	55·60	83.8	.0326	.8506	19.33.3	C	7 12 „
16	25·189	19.76	83.0	55.51	83.8	.0361	·8496	19.32·5	C	8 12 „
17	24.639	20.02	83.2	55.21	83.8	·0403	.8463	19.30.7	K	9 12 „
18	23.130	28.48	83.8	54.83	84.2	.0479	.8421	19·28.1	K	10 12 „
19	21·345	20.71	84.2	54.58	84.2	.0517	.8894	19.26.4	K	11 12 „
20	19.150	20.53	84.2	54.64	84.5	·0487	.8400	19.27.1	K	Noon.
21	19.356	20.30	83.8	54.76	84.5	.0449	.8414	19.29.1	L	1 12 p. m.
22	19.356	20.15	84.0	54.94	84·5	.0424	.8433	19.29.3	L	2 12 „
23	19.904	20.00	85.0	54·96	85.3	.0400	.8436	19·29·7	L	3 12 „
June 6th-Noon.	20.179	19·77	85.1	54.92	85.7	.0363	.8431	19.30.0	L	4 12 „
1	20.042	19.68	85.3	54.92	85.8	.0347	.8431	19.30.1	C	5 12 „
2	20.590	19.59	85.4	54.98	86.0	.0333	.8438	19.30.6	C	6 12 „
3	21.071	19.42	85.2	55.03	85 9	.0305	.8443	19.31.2	C	7 12 „
4	20.796	19.31	85.0	55.12	85·8	.0287	.8453	19.31.8	C	8 12 „
5	20.728	19.31	84.8	54.97	85.6	.0287	.8437	19.31.2	K	9 12 „
6	20.728	19·28	84·7	54.77	85.5	·0282	.8415	19.30·1	K	10 12 „
7	20.865	19.31	84.5	54.66	85·4	.0287	.8403	19.29.8	K	11 12 „
8	21.071	19.41	84·8	54.71	85.2	·0304	.8408	19.29.8	K	Midnight.
9	21.130	19.43	84.7	54.71	85.2	.0307	.8408	19.29·8	B	1 12 a. m.
10	21.276	19.11	84.4	54·91	85·2	.0254	.8430	19.31.4	B	2 12 „
11	21.482	19.21	84.0	54.90	85.0	.0271	.8429	19.31.1	B	3 12 „
12	21.071	19.28	83.0	54.93	84.3	.0282	.8432	19.31.1	B	4 12 „
13	20.796	19.23	82.8	55.12	84.0	.0274	.8453	19.32.1	C	5 12 „
14	21.758	19·48	82.5	55.26	83.8	.0315	.8469	19.31.9	C	6 12 „
15	22.168	19.82	82.3	55·15	83 5	.0370	·8457	19.31.0	C	7 12 „
16	23.198	19.90	82.1	54.85	83.1	.0383	·8424	19.29.5	C	8 12 „
17	22.787	20.62	81.6	54.69	83.0	.0501	.8406	19.27.2	K	9 12 „
18	21.895	20·55	81.5	54.43	82.6	.0490	.8377	19.26.2	K	10 12 „
19	20.453	20.71	81.4	54.27	82.3	.0517	·8360	19.25.1	K	11 12 „
20	19.356	20.82	81.7	54.32	82.2	.0534	.8365	19.25.2	K	Noon.
21	19.218	20.65	81·7	54.71	82.0	.0506	.8408	19.27.2	L	1 12 p. m.
22	19.767	20.41	81.7	54.99	82.2	.0468	.8439	19·28.9	L	2 12 „
23	19.904	20.00	81.2	55.06	82.0	.0400	.8447	19.30.2	L	3 12 „

On the 3rd, at about 19h., Deflection Observations were taken.

On the 6th, at about 19h. 30m., Dip as obtained by Observation was 18°53′4.

DAILY OBSERVATIONS FROM 7TH TO 9TH JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 7TH-Noon.	21°002	19.78	81°3	55.10	81°8	8.0364	2.8451	19°30'8	L	4 12 p. m.
1	21.208	19.36	80.9	55.07	81.6	.0295	.8448	19.31.5	C	5 12 „
2	21.071	19.36	80.9	55.05	81.6	.0295	.8446	19.31.4	C	6 12 „
3	20.385	19.32	80.9	54.97	81.5	.0288	.8437	19.31.2	C	7 12 „
4	20.659	19.29	81.2	54.94	81.8	.0284	.8433	19.31.2	C	8 12 „
5	20.728	19.31	81.5	55.06	82.0	.0287	.8447	19.31.6	K	9 12 „
6	20.933	19.27	81.8	55.08	82.0	.0281	.8449	19.31.8	K	10 12 „
7	21.208	19.31	82.0	55.06	82.0	.0287	.8447	19.31.6	K	11 12 „
8	21.139	19.18	81.0	55.15	81.7	.0265	.8457	19.32.3	K	Midnight.
9	21.688	19.23	80.8	55.35	81.6	.0274	.8479	19.33.0	B	1 12 a. m.
10	21.688	19.24	80.6	55.34	81.3	.0276	.8477	19.32.9	B	2 12 „
11	21.208	19.29	80.8	55.32	81.3	.0284	.8475	19.32.8	B	3 12 „
12	21.415	19.29	80.9	55.30	81.2	.0284	.8473	19.32.7	B	4 12 „
13	21.758	19.27	81.0	55.40	81.1	.0281	.8484	19.33.1	C	5 12 „
14	23.335	19.31	81.0	55.58	81.1	.0287	.8504	19.33.7	C	6 12 „
15	23.953	19.45	81.0	55.39	81.0	.0310	.8483	19.32.7	C	7 12 „
16	23.404	19.76	81.2	55.05	81.1	.0361	.8446	19.30.6	C	8 12 „
17	22.032	20.20	81.7	54.82	81.3	.0430	.8820	19.28.7	K	9 12 „
18	20.316	20.59	81.7	54.66	82.0	.0497	.8403	19.27.1	K	10 12 „
19	19.973	20.54	83.0	54.68	82.8	.0489	.8405	19.27.3	K	11 12 „
20	18.327	21.32	83.5	54.30	83.2	.0616	.8363	19.24.8	K	Noon.
21	19.699	20.61	84.2	54.62	84.0	.0506	.8398	19.26.9	L	1 12 p. m.
22	18.189	20.02	84.4	54.61	84.3	.0403	.8397	19.28.2	L	2 12 „
23	19.013	19.72	84.6	54.64	84.8	.0354	.8400	19.28.9	L	3 12 „
JUNE 8TH-Noon.	19.218	19.37	84.0	54.58	84.3	.0297	.8394	19.29.3	L	4 12 „
1	21.071	18.31	83.4	54.66	84.0	.0123	.8403	19.32.0	C	5 12 „
2	20.247	18.78	83.0	54.46	83.5	.0200	.8381	19.30.1	C	6 12 „
3	21.619	19.06	82.8	54.87	83.0	.0246	.8426	19.31.2	C	7 12 „
4	21.619	17.43	82.1	54.84	82.9	7.9979	.8422	19.34.6	C	8 12 „
5	19.836	18.17	82.1	54.98	82.7	8.0100	.8438	19.33.7	K	9 12 „
6	19.630	18.50	82.1	54.82	82.3	.0154	.8420	19.32.3	K	10 12 „
7	19.973	18.74	81.9	55.56	82.0	.0194	.8502	19.34.9	K	11 12 „
8	22.374	18.61	81.5	55.55	81.8	.0172	.8501	19.35.2	K	Midnight.
9	22.923	18.04	81.5	55.45	81.6	.0079	.8490	19.36.0	B	1 12 a. m.
10	24.432	18.36	81.2	55.67	81.5	.0131	.8514	19.36.2	B	2 12 „
11	23.816	18.39	81.5	55.47	81.6	.0136	.8492	19.35.2	B	3 12 „
12	22.649	18.44	81.5	55.35	81.6	.0145	.8479	19.34.5	B	4 12 „
13	23.130	18.61	81.6	55.50	81.7	.0172	.8495	19.35.0	C	5 12 „
14	24.846	18.76	81.7	55.56	81.9	.0197	.8502	19.34.8	C	6 12 „
15	25.189	18.78	82.0	55.31	82.0	.0200	.8474	19.33.7	C	7 12 „
16	24.502	18.78	82.5	55.04	82.2	.0200	.8444	19.32.6	C	8 12 „
17	24.159	18.53	83.2	54.50	83.0	.0159	.8395	19.31.2	K	9 12 „
18	22.305	18.33	84.0	54.30	83.4	.0126	.8363	19.30.3	K	10 12 „
19	21.139	18.06	84.6	54.22	84.0	.0082	.8354	19.30.7	K	11 12 „
20	20.042	17.92	85.0	54.40	84.5	.0058	.8374	19.31.6	K	Noon.
21	20.590	18.23	85.5	54.52	85.4	.0115	.8387	19.31.4	L	1 12 p. m.
22	21.345	18.55	85.8	54.53	85.9	.0162	.8388	19.30 9	L	2 12 „
23	21.002	18.69	86.0	54.40	86.0	.0185	.8374	19.29.9	L	3 12 „
JUNE 9TH-Noon.	20.590	18.41	86.0	54.33	86.1	.0140	.8366	19.30.3	L	4 12 „
1	20.659	18.27	85.8	54.43	86.0	.0117	.8377	19.31.0	C	5 12 „
2	21.002	18.17	85.3	54.49	85.9	.0100	.8384	19.31.5	C	6 12 „
3	21.415	18 02	85.0	54.62	85.6	.0075	.8398	19.32.4	C	7 12 „
4	21.688	18.17	84.9	54.56	85.3	.0100	.8392	19.31.8	C	8 12 „
5	21.551	18.33	84.5	54.61	85.2	.0126	.8397	19.31.7	K	9 12 „
6	21.415	18.26	84.5	54.65	85.0	.0115	.8402	19.31.9	K	10 12 „
7	21.071	18.38	84.2	54.60	84.8	.0134	.8396	19.31.6	K	11 12 „
8	21.415	18.28	83.5	54.72	84.0	.0118	.8409	19.32.2	K	Midnight.
9	21.071	18.42	83.3	54.81	83.6	.0141	.8419	19.32.4	B	1 12 a. m.
10	21.482	18.50	83.2	55.06	83.5	.0154	.8447	19.33.4	B	2 12 „
11	21.345	18.46	83.0	54.99	83.5	.0148	.8439	19.32.0	B	3 12 „

DAILY OBSERVATIONS FROM 9TH TO 12TH JUNE 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JUNE 9TH—12	21·415	18.49	82·9	55.01	83·5	8.0153	2.8441	19°33'1	B	4 12 a. m.
13	22.032	18.53	82.9	55.09	83.5	.0159	.8450	19.33.4	C	5 12 ,,
14	23.267	18.47	82.7	56.49	83.0	·0150	.8604	19.39.4	C	6 12 ,,
15	24.021	18.70	83.0	56.45	83.3	.0187	.8600	19.38.8	C	7 12 ,,
16	23.816	18.93	83.2	56.01	83.5	.0224	.8551	19.36.5	C	8 12 ,,
17	23.198	19·28	84.0	55·55	84.3	.0282	.8501	19·33·8	K	9 12 ,,
18	21.551	19.69	84.8	55.15	85.0	.0349	.8456	19·31.1	K	10 12 ,,
19	19.630	19.90	85.7	54.88	86.0	.0383	.8427	19.29.7	K	11 12 ,,
20	17.709	20·00	86.5	54·70	86.5	.0400	.8407	19.28.6	K	Noon.
21	17 641	19.92	86.8	55.01	87.0	.0386	.8441	19.30.0	L	1 12 p. m.
22	18.464	19.64	86.7	55.21	87.0	.0341	.8463	19.31.5	L	2 12 ,,
23	19.699	19.33	86.7	55.49	87.1	.0290	.8494	19.33.1	L	3 12 ,,
JUNE 10TH-Noon.	20.796	19·02	86.5	55.57	87.2	.0239	.8503	19.34.4	L	4 12 ,,
1	21.619	18.93	86.3	55·64	87.0	.0224	.8540	19.36·1	C	5 12 ,,
2	21.895	18.78	86.0	55.50	86.6	.0200	.8495	19.34.6	C	6 12 ,,
3	21.345	18.71	85.5	55.46	86.0	.0189	·8491	19.34.5	C	7 12 ,,
4	21.345	18.62	85.1	55·40	85.8	.0173	.8484	19.34.5	C	8 12 ,,
5	21.482	18.68	85.0	55.52	85.5	.0183	.8497	19 35.1	K	9 12 ,,
6	21.276	18.63	84.5	55.15	85.0	.0175	.8456	19.33.4	K	10 12 ,,
7	21.276	18.71	84.5	55.21	85.0	.0189	.8463	19.33.4	K	11 12 ,,
8	21.482	18.77	84.4	55.34	84.7	.0199	.8477	19.39.9	K	Midnight.
9	21.415	18.81	84.0	55.33	84.3	.0205	.8476	19.33.7	B	1 12 a. m.
10	21·415	18.91	84.0	53.33	84.3	.0221	.8476	19.33.5	B	2 12 ,,
11	21.345	18.85	83·9	53.33	84.2	.0211	.8476	19 33.7	B	3 12 ,,
12	21.415	18.76	83.5	55.41	83.8	.0197	.8485	19.34.2	B	4 12 ,,
13	21.415	18·79	83.3	55.52	83.9	.0200	.8497	19.34.7	C	5 12 ,,
14	22.787	18·85	83.3	56.06	83.6	.0211	.8557	19.37.0	C	6 12 ,,
15	23.335	19.11	83.1	56.18	83.3	.0254	.8570	19 36.8	C	7 12 ,,
16	23.198	19.30	83.8	55.77	84.0	.0285	.8525	19.34.6	C	8 12 ,,
17	22·168	19.71	84.2	55.53	88·2	.0353	.8498	19 32.7	L	9 12 ,,
18	21.758	20.13	85.0	55.27	85.0	.0421	.8470	19.30.7	K	10 12 ,,
19	19.973	20.24	85.1	54.95	85.0	.0440	.8435	19.29.2	K	11 12 ,,
20	18.670	19.97	84.2	55.13	84·2	.0395	.8454	19·30.4	K	Noon.
21	18.189	19.82	84.0	55.37	84.1	.0370	.8481	19.31.8	L	1 12 p. m.
22	18·670	19.54	84.3	55.48	84.2	.0325	.8493	19·32·8	L	2 12 ,,
23	20.042	19.21	84.8	55.52	84.8	.0271	.8497	19.33.8	L	3 12 ,,
JUNE 12TH-Noon.	21.139	19.08	82.0	55.83	82.6	.0249	.8531	19·35·3	C	4 12 ,,
1	21.276	19.03	81.6	55.81	82.1	.0241	.8529	19·35·4	C	5 12 ,,
2	21.826	18.89	81.1	55.78	82.0	.0218	.8526	19·35·5	C	6 12 ,,
3	20.933	18.92	81.5	55.74	82.0	.0222	.8521	19.35.3	C	7 12 ,,
4	20.796	18.89	81.5	55.82	82.0	.0218	.8530	19·35·7	C	8 12 ,,
5	21.002	18.87	81.5	55.86	81.9	.0215	.8535	19·35·9	K	9 12 ,,
6	21.276	18.74	81.0	55·89	81.2	.0194	.8538	19·36·4	K	10 12 ,,
7	21.276	18.89	80.8	55.63	81.1	.0218	.8509	19·34·8	K	11 12 ,,
8	21.415	18.98	81.0	55.69	81.0	.0232	.8516	19·35·0	K	Midnight.
9	21.208	18.94	80.8	55.74	81.2	.0226	.8521	19·35·2	B	1 12 a. m.
10	21.208	18.97	80.8	55.71	81.2	.0231	.8518	19·35·1	B	2 12 ,,
11	21.071	18.91	81.1	55.65	81.4	.0221	.8512	19·34·9	B	3 12 ,,
12	21.071	18.91	81·6	55.64	81.9	.0221	.8510	19·34.9	B	4 12 ,,
13	21.415	18.94	81.9	55.63	82.4	.0226	.8509	19·34·7	C	5 12 ,,
14	22.991	18.96	81.7	56.02	82.2	.0229	.8552	19·36·4	C	6 12 ,,
15	23.953	19.12	82.1	55.90	82.4	.0255	.8539	19·35·5	C	7 12 ,,
16	24·226	19.12	82.0	55.59	82.3	.0255	.8505	19·34.2	C	8 12 ,,
17	23.267	19.41	83.1	55.09	82.9	.0304	.8450	19·31·6	K	9 12 ,,
18	21.551	19.66	84.2	54.60	83.3	.0344	.8396	19·28·9	K	10 12 ,,
19	19.630	19.80	85.0	54.22	84·1	.0367	.8354	19·26·9	K	11 12 ,,
20	18.532	19.82	85.1	54.54	84.8	.0370	.8389	19.28.2	K	Noon.
21	18.670	19.92	85.5	54.66	85.4	.0386	.8403	19.28.5	L	1 12 p. m.
22	19.630	19.60	84.6	54.88	85.2	.0334	.8427	19.30.3	L	2 12 ,,
23	20.247	19.44	84.3	55.09	84.8	.0309	.8450	19.31.5	L	3 12 ,,

On the 9th, at about 19h., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS FROM 13TH TO 15TH JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 13TH-Noon.	21°276	19.30	84°8	55.16	85°2	8.0285	2.8458	19°32'0	L	4 12 p. m.
1	22.101	19.23	84.7	55.16	85.2	.0274	.8458	19.32.3	C	5 12 „
2	22.032	19.11	84.2	55.05	85.0	.0254	.8446	19.32.0	C	6 12 „
3	21.002	19.07	84.0	54.90	84.9	.0248	.8429	19.31.3	C	7 12 „
4	20.522	19.11	84.0	54.58	84.7	.0254	.8394	19.29.9	C	8 12 „
5	20.728	18.94	83.3	54.51	83.8	.0226	.8386	19.29.9	K	9 12 „
6	20.728	19.05	83.5	54.62	84.0	.0244	.8398	19.30.3	K	10 12 „
7	20.865	19.07	83.3	54.64	84.0	.0248	.8400	19.30.2	K	11 12 „
8	21.002	19.05	83.2	54.72	84.0	.0244	.8409	19.30.7	K	Midnight.
9	21.276	19.04	83.0	54.79	83.7	.0243	.8417	19.31.1	B	1 12 a. m.
10	21.276	19.06	83.0	54.81	83.7	.0246	.8419	19.30.8	B	2 12 „
11	21.276	19.06	83.0	54.83	83·7	.0246	.8421	19 31.0	B	3 12 „
12	21.276	19.03	82.9	54.87	83.6	.0241	.8426	19.31.4	B	4 12 „
13	21.415	19.04	83.0	54.96	83.6	.0243	.8436	19.31.8	C	5 12 „
14	22.444	19.10	82.4	55.09	83.0	.0252	.8450	19.32.2	C	6 12 „
15	23.609	19.38	82.7	55.09	83.1	.0298	.8450	19.31.6	C	7 12 „
16	23.473	19.75	83.0	54.65	83.3	.0359	.8402	19.28.8	C	8 12 „
17	22.444	20.26	83.8	54.51	83.6	.0413	.8386	19.27.2	L	9 12 „
18	20.728	20.48	84.2	54.22	84.0	.0479	.8354	19.25.5	K	10 12 „
19	18.807	20.54	85.0	54.14	84.5	.0489	.8345	19.25.0	K	11 12 „
20	17.572	20.40	85.2	54.34	84·8	.0466	.8367	19.26.1	K	Noon.
21	17.298	20.06	85.6	54.45	85.6	.0410	.8380	19.27.4	L	1 12 p. m.
22	17.641	19.77	86.1	54.46	86.1	.0363	.8381	19.28.0	L	2 12 „
23	19.013	19.50	86.4	54.52	86.6	.0318	.8365	19.27.9	L	3 12 „
JUNE 14TH-Noon.	20.728	19.33	86.5	54.48	86.8	.0290	.8381	19.28.9	L	4 12 „
1	21.619	19.23	86.1	54.33	87.0	.0274	.8366	19.28.6	C	5 12 „
2	21.345	19.25	85.8	54.21	86.3	.0277	.8353	19.28.1	C	6 12 „
3	20.728	19.15	85.0	54.18	86·0	.0260	.8350	19.28.2	C	7 12 „
4	20.659	19.16	84.9	54.47	85.8	.0262	.8382	19.29.3	C	8 12 „
5	20.865	19.15	84.5	54.61	85.3	.0260	.8397	19.30.0	K	9 12 „
6	20.933	19.15	84.4	54.61	85.2	.0260	.8397	19.30.0	K	10 12 „
7	20.933	19.17	84.2	54.50	85.0	.0264	.8385	19.29.5	K	11 12 „
8	20.865	19.16	84.2	54.44	84·8	.0262	.8378	19.29.2	K	Midnight.
9	21.002	19.17	84.0	54.54	84·6	.0264	.8389	19.29.6	B	1 12 a. m.
10	21.071	19.13	83.9	54.62	84.6	.0257	.8398	19.30.0	B	2 12 „
11	21.208	19.15	83.7	54.65	84·4	.0260	.8402	19.30.1	B	3 12 „
12	21.415	19.23	83.5	54.71	84·3	.0274	.8408	19.30.3	B	4 12 „
13	21.963	19.29	83.6	55.00	84.2	.0284	.8410	19.31.5	C	5 12 „
14	23.953	19.42	83.6	55.41	84.2	.0305	.8485	19.32.8	C	6 12 „
15	26.080	19.70	83.9	55.49	84.6	.0351	.8494	19.32.5	C	7 12 „
16	26.561	20.03	84.5	54.92	84.8	.0405	.8431	19.29.4	C	8 12 „
17	24.159	20.33	85.1	54.40	85.0	.0454	.8374	19.26.5	L	9 12 „
18	21.345	20.58	86.0	54.02	85.8	.0495	.8332	19.24.3	K	10 12 „
19	19.218	20.63	86.5	53.94	86.2	.0503	.8323	19.24.0	K	11 12 „
20	18.327	20.59	87.0	54 20	86 8	.0497	.8374	19.25.9	K	Noon.
21	18.670	20.43	87.4	54.21	87.0	.0471	.8353	19.25.6	L	1 12 p. m.
22	19.356	20.16	87.5	54.37	87.3	.0426	.8371	19.26.7	L	2 12 „
23	20.385	19.97	87.7	54.35	87.7	.0395	.8369	19.27.0	L	3 12 „
JUNE 15TH-Noon.	20.590	19.84	87.4	54.42	87.9	.0374	.8376	19.27.7	L	4 12 „
1	20.590	19.76	87.1	54.42	88.0	.0361	.8376	19.27.8	C	5 12 „
2	20.316	19.58	86.3	54.26	87·1	.0331	.8359	19.27.6	C	6 12 „
3	19.973	19.37	85.9	54.42	86.7	.0297	.8376	19.28.6	C	7 12 „
4	20.247	19.29	85.5	54.49	86.3	.0284	.8384	19.29.2	C	8 12 „
5	20.385	19.13	85.3	54.23	86.1	.0257	.8355	19.28.4	K	9 12 „
6	20.865	19.00	85.2	54.32	85.8	.0236	.8365	19.29.0	K	10 12 „
7	21.208	19.00	85.0	54.42	85·6	.0236	.8376	19.29.4	K	11 12 „
8	21.758	18.45	85.0	54.62	85.5	.0146	.8398	19.31.4	K	Midnight.
9	22.581	18.47	84.8	54.70	85.4	.0150	.8407	19.31.8	B	1 12 a. m.
10	22.923	18.64	84.6	54.71	85.3	.0177	.8408	19.31.6	B	2 12 „
11	22.649	18.82	84.5	54.71	85.2	.0206	.8408	19.31.1	B	3 12 „

On the 13th, at about 19h, 20m., Dip as obtained by Observation was 19°06'9.

DAILY OBSERVATIONS FROM 15TH TO 17TH JUNE 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JUNE 15TH—12	22'923	18.79	84°2	54.85	85°0	8.0202	2.8424	19°31'8	B	4 12 a. m.
13	22.374	19.03	84.3	54.82	85.0	.0241	.8420	19.31.2	C	5 12 „
14	24.983	19.16	84.2	55.30	85.0	.0262	.8473	19.32.9	C	6 12 „
15	25.257	19.14	84.8	55.08	85.0	.0259	.8449	19.32.0	C	7 12 „
16	24.363	19.13	84.8	55.20	85.1	.0257	.8462	19.32.4	C	8 12 „
17	24.295	19.31	85.6	54.67	85.5	.0287	.8404	19.29.8	L	9 12 „
18	22.374	19.69	86.2	54.23	86.1	.0349	.8355	19.27.2	K	10 12 „
19	20.042	20.16	87.0	53.70	86.8	.0426	.8297	19.23.9	K	11 12 „
20	19.218	19.90	87.5	53.97	87.2	.0383	.8327	19.25.8	K	Noon.
21	19.356	19.73	87.8	54.08	87.6	.0356	.8339	19.26.4	K	1 12 p. m.
22	19.424	19.61	88.0	54.36	88.0	.0336	.8370	19.27.9	L	2 12 „
23	19.356	19.36	88.0	54.40	88.2	.0295	.8374	19.28.5	L	3 12 „
JUNE 16TH—Noon.	19.699	18.98	87.9	54.35	88.4	.0232	.8369	19.29.1	L	4 12 „
1	20.385	18.29	87.2	54.30	88.0	.0120	.8363	19.30.4	C	5 12 „
2	20.865	18.28	86.6	54.35	87.6	.0118	.8369	19.30.6	C	6 12 „
3	20.865	18.01	86.0	54.35	87.0	.0074	.8369	19.31.3	C	7 12 „
4	21.551	18.18	85.7	54.37	86.6	.0100	.8371	19.31.0	C	8 12 „
5	21.758	18.36	85.4	54.18	86.1	.0131	.8350	19.29.9	K	9 12 „
6	21.415	18.40	85.2	54.23	85.9	.0138	.8355	19.30.0	K	10 12 „
7	21.415	18.55	85.0	54.17	85.8	.0162	.8349	19.29.4	K	11 12 „
8	21.758	18.56	84.9	54.23	85.5	.0164	.8355	19.29.7	K	Midnight.
9	21.688	18.57	84.6	54.18	85.4	.0166	.8350	19.29.4	B	1 12 a. m.
10	21.619	18.62	84.4	54.40	85.3	.0173	.8374	19.30.2	B	2 12 „
11	21.758	18.66	84.2	54.43	85.1	.0180	.8377	19.30.3	B	3 12 „
12	21.895	18.84	84.1	54.59	85.0	.0210	.8385	19.31.2	B	4 12 „
13	22.512	18.92	84.0	54.70	84.9	.0222	.8407	19.30.9	C	5 12 „
14	24.021	18.77	84.0	54.82	84.8	.0199	.8420	19.31.7	C	6 12 „
15	24.639	19.17	84.4	54.71	84.7	.0264	.8408	19.30.4	C	7 12 „
16	24.021	19.45	85.0	54.51	85.0	.0310	.8386	19.28.9	C	8 12 „
17	23.267	19.73	86.0	54.18	86.0	.0356	.8350	19.26.9	L	9 12 „
18	21.276	20.03	86.8	53.70	86.5	.0408	.8297	19.24.2	K	10 12 „
19	19.356	20.11	87.3	53.61	87.0	.0418	.8287	19.23.6	K	11 12 „
20	18.807	20.12	88.0	53.63	87.5	.0419	.8289	19.23.6	K	Noon.
21	18.670	19.98	88.2	53.69	88.0	.0396	.8296	19.24.2	K	1 12 p. m.
22	18.738	19.78	88.4	53.80	88.4	.0364	.8308	19.25.2	L	2 12 „
23	19.424	19.76	88.4	53.98	88.7	.0361	.8328	19.26.0	L	3 12 „
JUNE 17TH—Noon.	20.522	19.51	88.4	53.99	88.9	.0320	.8329	19.26.5	L	4 12 „
1	21.139	19.29	88.0	53.96	88.9	.0284	.8226	19.27.0	C	5 12 „
2	21.483	19.10	87.5	53.98	88.3	.0252	.8328	19.27.4	C	6 12 „
3	20.865	18.94	86.9	53.92	87.5	.0226	.8321	19.27.4	C	7 12 „
4	20.385	18.89	86.0	54.21	86.9	.0215	.8353	19.28.8	C	8 12 „
5	20.796	18.97	85.8	54.30	86.5	.0231	.8363	19.29.0	K	9 12 „
6	21.619	18.80	85.2	54.08	86.0	.0203	.8339	19.28.5	K	10 12 „
7	21.415	18.86	85.4	54.15	86.0	.0213	.8347	19.28.8	K	11 12 „
8	21.619	18.87	85.3	54.23	85.8	.0215	.8355	19.28.9	K	Midnight.
9	21.688	18.86	85.0	54.27	85.7	.0213	.8360	19.29.2	B	1 12 a. m.
10	21.551	19.07	84.9	54.34	85.5	.0248	.8367	19.28.9	B	2 12 „
11	21.963	19.01	84.6	54.42	85.3	.0238	.8376	19.29.4	B	3 12 „
12	22.374	18.99	84.3	54.53	85.1	.0234	.8388	19.30.0	B	4 12 „
13	22.512	18.97	84.3	54.65	85.0	.0231	.8402	19.30.5	C	5 12 „
14	23.746	19.24	84.4	54.77	84.9	.0276	.8415	19.30.5	C	6 12 „
15	24.432	19.44	84.8	54.70	85.0	.0309	.8407	19.29.8	C	7 12 „
16	24.502	19.51	85.2	54.52	85.4	.0320	.8387	19.28.8	C	8 12 „
17	23.404	19.83	86.0	54.18	86.0	.0372	.8350	19.26.8	L	9 12 „
18	21.895	20.14	86.7	54.10	86.5	.0423	.8341	19.25.7	K	10 12 „
19	20.179	20.33	87.4	53.62	87.2	.0454	.8288	19.23.2	K	11 12 „
20	19.424	20.00	88.0	53.73	87.8	.0400	.8300	19.24.4	K	Noon.
21	19.630	19.82	88.4	53.97	88.2	.0370	.8327	19.25.9	K	1 12 p. m.
22	19.767	19.51	87.8	54.16	88.0	.0320	.8448	19.27.3	L	2 12 „
23	20.865	19.28	86.7	54.39	87.1	.0282	.8373	19.28.8	L	3 12 „

On the 16th, at about 19h., Dip as obtained by Observation was 19°06'2.
On the 17th, at about 18h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 19TH TO 21ST JUNE 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JUNE 19TH—Noon.	21·071	19.34	87°5	53.99	88°1	8.0292	2.8329	19°26'9	C	4 12 p. m.
1	21·482	19.15	87.0	54.01	87.8	.0260	.8331	19.27.4	C	5 12 „
2	21.071	19.16	86.6	53.97	87.2	.0262	.8327	19.27.3	C	6 12 „
3	20.865	19.06	86.0	54.00	87·0	.0246	.8330	19.27.5	C	7 12 „
4	20·796	19·10	85·9	54·14	86.7	.0252	.8345	19.28·1	C	8 12 „
5	20.865	19.13	85·7	54.24	86.3	.0257	.8356	19.28.4	K	9 12 „
6	20.071	19.10	85·4	54.24	86·2	.0252	.8356	19.28.6	K	10 12 „
7	21·208	19.11	85.2	54.30	86.1	.0254	.8363	19.28.7	K	11 12 „
8	21.345	19.10	85.0	54.33	85.8	.0252	.8366	19·28.8	K	Midnight.
9	21.482	19.09	84.9	54.42	85.5	.0251	.8376	19.29.2	B	1 12 a. m.
10	21·482	19.05	84.6	54.45	85.5	.0244	.8380	19.29.6	B	2 12 „
11	21.551	19.14	84.6	54.48	85.4	.0259	.8383	19.29.4	B	3 12 „
12	21.619	19.19	84·4	54.51	85·3	.0267	.8386	19.29.4	B	4 12 „
13	22·237	19·25	84.4	54.65	85·1	.0277	.8401	19.29.9	C	5 12 „
14	23.335	19·29	84·4	54.85	85.1	.0284	.8424	19.30.8	C	6 12 „
15	24.295	19.52	84.8	54·85	85·1	.0321	.8424	19.30.2	C	7 12 „
16	24·502	19.83	85.3	54.67	85·6	.0372	.8404	19.28.8	C	8 12 „
17	23.609	20.16	86·0	54·40	86·0	.0426	.8374	19.26.8	K	9 12 „
18	22.444	20.45	87.0	54.25	86·6	.0474	.8358	19.25.8	K	10 12 „
19	20.385	20.61	87.7	53.87	87.2	.0500	.8316	19.23·7	K	11 12 „
20	17.984	20.54	88.2	53·74	88·0	.0489	.8301	19.23.2	K	Noon.
21	18.395	20.35	88.5	53.90	88·2	.0457	.8319	19.24.3	B	1 12 p. m.
22	19.561	20.10	88.5	54·03	88.3	.0416	.8333	19.25.4	B	2 12 „
23	20.796	19.77	88.3	54.25	88.3	.0363	.8357	19.27.2	B	3 12 „
JUNE 20TH—Noon.	20.728	19.62	88.2	54.05	88.4	.0339	.8336	19.26.6	B	4 12 „
1	20.659	19.47	87.8	54.12	88.0	.0314	.8343	19.27.3	C	5 12 „
2	20.590	19.23	87·1	54.23	87.6	.0274	.8355	19.28·3	C	6 12 „
3	20·933	19.14	86.6	54.31	87.0	.0259	.8364	19.28.6	C	7 12 „
4	20.865	19.10	86.1	54·41	87.0	.0252	.8375	19.29.2	C	8 12 „
5	20.865	19·13	86.0	54·45	86.6	.0257	.8380	19.29.3	K	9 12 „
6	20·933	19.19	85.8	54.41	86.2	.0267	.8375	19.29.0	K	10 12 „
7	21.139	19.19	85.5	54·38	86·0	.0267	.8372	19.28·8	K	11 12 „
8	21·415	19.20	85·3	54.38	85.9	.0269	.8372	19.28.8	K	Midnight.
9	21.415	19.19	85.2	54·50	85·9	.0267	.8385	19.29.4	B	1 12 a. m.
10	21·482	19.19	85·1	54.55	85·8	.0267	.8391	19.29.6	B	2 12 „
11	21·963	19.17	85.0	54·59	85.6	.0264	.8395	19.29.9	B	3 12 „
12	21.963	19.22	84·9	54.67	85.5	.0272	.8404	19.30.1	B	4 12 „
13	22.237	19.28	84.9	54.76	85.3	.0282	.8414	19·30.4	C	5 12 „
14	23.540	19.31	84.7	54.80	85.1	.0287	.8418	19.30.4	C	6 12 „
15	24·159	19.62	85.1	54.61	85·2	.0337	.8397	19.29.0	C	7 12 „
16	23·473	19.84	85.3	54·37	85.6	.0374	.8371	19.27.5	C	8 12 „
17	21·963	20.17	86.2	53.92	85.8	.0428	.8321	19.24.8	K	9 12 „
18	19·836	20.42	87.0	53·60	86·5	.0469	.8286	19.22.9	K	10 12 „
19	19·218	20.53	87.6	53·61	87.0	·0487	.8287	19·22.7	K	11 12 „
20	18·532	20·51	88.1	53·67	87·5	.0484	.8294	19.23.1	K	Noon.
21	18.601	20.29	88.5	53.74	87.9	.0448	.8301	19.23.7	L	1 12 p. m.
22	18.944	20.23	88.9	53.81	88.6	.0438	.8309	19.24.2	L	2 12 „
23	20.247	20.09	88.9	53.95	88.9	.0415	.8325	19.25.1	L	3 12 „
JUNE 21ST—Noon.	20.071	19.81	88·5	54·04	88·7	.0369	.8334	19.26.1	L	4 12 „
1	20.933	19.51	88·0	54.05	88.2	.0320	.8336	19.26.8	C	5 12 „
2	21.002	19.40	87.5	53.99	88·0	.0302	.8329	19.26.8	C	6 12 „
3	20.590	19.25	87.0	53.97	87.9	.0277	.8327	19.27.1	C	7 12 „
4	20.659	19.15	86.8	54·12	87.3	.0260	.8343	19.27.9	C	8 12 „
5	20.728	19.17	86·4	54·21	87.0	.0264	.8353	19.28.3	K	9 12 „
6	21·208	19·13	86.0	54.36	86.7	.0257	.8370	19.28.9	K	10 12 „
7	21·551	19.14	85·9	54·84	86.4	.0259	.8422	19.30.9	K	11 12 „
8	21.619	19.14	85.7	54.89	86.2	.0259	.8428	19.31.2	K	Midnight.
9	21.826	19.10	85.3	54.89	86.2	.0252	·8428	19.31.3	B	1 12 a. m.
10	21.688	19.07	85.1	54.93	86.0	·0248	.8432	19.31.4	B	2 12 „
11	21·688	19.12	84.9	54.97	85.8	.0255	.8437	19.31.6	B	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 23RD JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 21ST—12	21'826	19.21	84°9	55.03	85°8	8.0271	2.8443	19°31'7	B	4 12 a. m.
13	22·237	19.19	84.8	55.17	85·6	.0267	·8459	19·32.3	C	5 12 ,,
14	23.816	19.26	84,8	55.37	85.6	.0279	·8481	19.33.0	C	6 12 ,,
15	24.776	19.56	85.0	55·41	85.5	.0328	·8485	19.32.5	C	7 12 ,,
16	24.639	19.73	85.6	54.99	85.5	.0356	·8439	19.30.3	C	8 12 ,,
17	23.609	19.99	86.4	54.54	86.3	.0398	.8389	19.27.8	K	9 12 ,,
18	22.718	20.09	87.3	54.51	87.0	.0415	·8386	19.27.4	K	10 12 ,,
19	21.002	20.26	88.1	54.38	87.5	·0443	.8372	19.26.6	K	11 12 ,,
20	19.836	20.37	88.7	54.31	88.2	.0461	.8364	19.26.0	K	Noon.
21	20.316	20.30	89.0	54.36	88.8	.0449	.8370	19.26.4	L	1 12 p. m.
22	20.042	20.21	89.2	54.42	89.0	·0435	.8376	19.26.8	L	2 12 ,,
23	19.836	19.98	89.3	54.48	89.2	.0396	·8383	19.27.6	L	3 12 ,,
JUNE 22ND—Noon.	20.247	19.67	89.2	54.39	89.5	.0346	.8373	19.27.8	L	4 12 ,,
1	20.316	19.51	88.7	54.53	89.0	.0320	.8388	19·28.8	C	5 12 ,,
2	20.865	19.38	88.0	54.68	88·5	.0298	·8405	19.29.8	C	6 12 ,,
3	20.933	19.26	87.4	54.62	88.0	·0279	.8398	19·29·8	C	7 12 ,,
4	20.728	19.23	87.0	54.51	87.7	·0274	·8386	19·29.4	C	8 12 ,,
5	21.071	19.27	86.7	54.47	87.4	.0281	.8382	19·29.1	K	9 12 ,,
6	21.139	19.37	86.5	54.48	87.0	·0297	.8383	19·28.9	K	10 12 ,,
7	21.551	19.22	86.2	54.60	86.8	.0272	·8396	19·29·8	K	11 12 ,,
8	21.688	19.30	86.1	54.65	86.5	·0285	.8402	19.29.7	K	Midnight.
9	21.619	19.25	85.9	54.70	86.5	.0277	.8407	19·30.2	B	1 12 a. m.
10	21.758	19·25	85.9	54.81	86.2	.0277	.8419	19.30.6	B	2 12 ,,
11	21.688	19.22	85·4	54.85	86.1	.0272	.8424	19.30·9	B	3 12 ,,
12	21.895	19.25	85.3	54.90	86.0	·0277	.8429	19.31·0	B	4 12 ,,
13	22.101	19.31	85.2	54.94	85.8	·0287	·8433	19.31·0	C	5 12 ,,
14	22.787	19.48	85.2	55.05	85.6	·0315	.8446	19.31.1	C	6 12 ,,
15	24.021	19.70	85.4	55.15	85.7	·0351	.8457	19,31.2	C	7 12 ,,
16	24.363	19.98	86.0	54.93	85·9	.0396	·8432	19·29.5	C	8 12 ,,
17	23.609	20.21	86.3	54.73	86.3	·0435	.8410	19.28·2	L	9 12 ,,
18	22.991	20.42	86.4	54.49	86.3	·0469	.8384	19.26·7	K	10 12 ,,
19	21.071	20.45	87.2	54.25	86.8	·0474	·8358	19.25·8	K	11 12 ,,
20	18.944	20.49	88.3	54.05	87.5	.0481	.8336	19·24·8	K	Noon.
21	17.778	20.48	88.7	53.91	88.3	.0479	.8320	19·24.2	K	1 12 p. m.
22	18.327	20.30	88.8	54.14	88·7	.0449	·8345	19·25.5	L	2 12 ,,
23	20.042	20.02	89.0	54.41	89.0	.0403	.8375	19·27·3	L	3 12 ,,
JUNE 23RD—Noon.	20.933	19.73	88.9	54.42	89.0	.0356	.8376	19.27.2	C	4 12 ,,
1	20.590	19.61	88.4	54.43	88.8	·0336	·8377	19.28·2	K	5 12 ,,
2	20.933	19.50	87.8	54.49	88.2	.0318	·8384	19·28·6	K	6 12 ,,
3	20·590	19.42	87.2	54.48	87.8	·0305	·8383	19.28.8	L	7 12 ,,
4	20.690	19.37	86.9	54.64	87.5	·0297	.8400	19.29·6	L	8 12 ,,
5	20.796	19.39	86.6	54.59	87.1	·0300	.8395	19.29.4	C	9 12 ,,
6	20.865	19.42	86.4	54.64	87.0	.0305	·8400	19·29.5	C	10 12 ,,
7	21.139	19.52	86.2	54.62	86.7	.0321	·8398	19·29.2	K	11 12 ,,
8	21.482	19.51	86.0	54.76	86.5	·0320	.8414	19.29.8	K	Midnight.
9	21.482	19.50	85.8	54.79	86.4	·0318	·8417	19.30.0	B	1 12 a. m.
10	21.482	19.50	85.6	54.84	86.3	·0313	·8422	19.30.1	B	2 12 ,,
11	21.619	19.48	85.5	54.89	86.3	·0315	·8428	19.30·4	B	3 12 ,,
12	21.758	19.48	85.4	54.91	86.2	·0315	.8430	19·30·5	B	4 12 ,,
13	21.551	19.62	85.4	54.96	86.0	.0337	·8436	19·30·5	C	5 12 ,,
14	22.787	19.67	85.3	54.13	86.0	.0346	.8454	19.31·0	C	6 12 ,,
15	23.677	19.80	85.4	54.10	85.9	·0367	.8451	19.30.7	C	7 12 ,,
16	23.816	20.28	85.9	54.94	86.0	.0446	·8433	19·28.9	C	8 12 ,,
17	22.512	20.65	86.7	54.68	86·5	·0506	·8405	19·27.1	K	9 12 ,,
18	21.551	20.90	87.2	54.60	86.8	.0547	·8396	19.26.1	K	10 12 ,,
19	20.865	21.00	87.2	54.41	87.0	.0564	.8375	19.25.2	K	11 12 ,,
20	20·728	20.86	87.5	54.47	87.2	·0541	.8382	19.25.7	K	Noon.
21	19.904	20.84	88.0	54.33	87.5	.0538	.8366	19·25.1	L	1 12 p. m.
22	19.699	20.55	88.0	54.28	87.7	.0490	·8361	19·25.5	L	2 12 ,,
23	19.836	20·27	88.0	54.39	87.9	·0445	.8373	19·26.5	L	3 12 ,,

On the 23rd, at about 19h. 20m., Dip as obtained by Observation was 18°58'1.

DAILY OBSERVATIONS FROM 24TH TO 27TH JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 24TH-Noon.	20·590	19.95	87°4	54.65	87°6	8.0391	2.8402	19°28′4	L	4 12 p. m.
1	20.590	19.77	87.1	54.60	87.5	.0363	.8396	19.28.6	C	5 12 ,,
2	20.453	19.67	87·0	54.57	87.4	.0346	.8393	19.28.6	C	6 12 ,,
3	20.042	19.65	86.5	54.59	87.0	.0342	.8395	19.28.9	C	7 12 ,,
4	20.042	19.61	86.1	54.73	86.9	.0336	.8410	19.29.5	C	8 12 ,,
5	20.453	19.59	86.1	54.80	86.5	.0333	.8418	19.29.9	K	9 12 ,,
6	20.865	19.42	85.9	54.94	86.3	.0305	.8433	19.30.8	K	10 12 ,,
7	21.415	19.35	85.7	54.89	86.2	.0293	.8428	19.30.8	K	11 12 ,,
8	21.276	19.42	85.5	54.90	86.0	.0305	.8429	19.30.6	K	Midnight.
9	21.345	19.43	85.3	54.84	86.0	.0307	.8422	19.30.3	B	1 12 a. m.
10	21.482	19.49	85.2	54.87	85.8	.0317	.8426	19.30.3	B	2 12 ,,
11	21.619	19.52	84.9	54.92	85.3	.0321	.8431	19.30.5	B	3 12 ,,
12	21.619	19.55	84.4	55.15	85.0	.0326	.8456	19.31·4	B	4 12 ,,
13	21.963	19.66	84.7	55.21	85.0	.0344	.8463	19.31.5	C	5 12 ,,
14	22.991	19.77	84.7	55.30	85.0	.0363	.8473	19.31.6	C	6 12 ,,
15	23.953	20.13	85.0	55.23	85.1	.0421	.8465	19.30.5	C	7 12 ,,
16	23.746	20.33	85.4	54.94	85.6	.0454	.8433	19.28.9	C	8 12 ,,
17	22.649	20.68	86.2	54.58	86.0	.0511	.8394	19.26.6	L	9 12 ,,
18	20.794	21.04	87.0	54.00	86.5	.0571	.8330	19.23.4	K	10 12 ,,
19	19.081	20.95	87.5	53·86	87.0	.0555	.8315	19.22·9	K	11 12 ,,
20	17.572	20·86	88.2	53.85	87.7	.0541	.8314	19.23.1	K	Noon.
21	17.846	20.64	88.4	54.29	88.0	.0505	.8362	19.25.3	K	1 12 p. m.
22	19.013	19.96	88.5	54.45	88.3	.0393	.8380	19.27.6	L	2 12 ,,
23	20.796	19.40	88.5	54.46	88.6	.0302	.8381	19.28.8	L	3 12 ,,
JUNE 26TH-Noon.	21.551	19.12	88.0	54.09	88.7	.0255	.8341	19.27.8	C	4 12 ,,
1	21.895	19.35	87.8	54.46	88.8	.0293	.8381	19.28.9	C	5 12 ,,
2	21.415	19.15	87·3	54.42	88.2	.0260	.8377	19.29.2	C	6 12 ,,
3	21.139	19.08	86.9	54.43	87.9	.0249	.8377	19.29.3	C	7 12 ,,
4	21.208	18.94	86.6	54.57	87.4	.0226	.8393	19.30.2	C	8 12 ,,
5	21.826	18.95	86.4	54.56	87·1	.0227	.8391	19.30.1	K	9 12 ,,
6	20.796	19.28	86.2	54.63	86.9	.0282	.8399	19.29.8	K	10 12 ,,
7	21.415	19.16	86.0	54.70	86.6	.0262	.8407	19.30.4	K	11 12 ,,
8	21.551	19.14	85.9	54.89	86.4	.0259	.8428	19.31.2	K	Midnight.
9	21.415	19.01	85.5	54.84	86.2	.0238	.8422	19.31.2	B	1 12 a. m.
10	21.688	19.16	85.2	54.88	86.0	.0262	.8427	19.31.2	B	2 12 ,,
11	22.305	19.10	85.2	54.98	85.9	.0252	.8438	19.31.7	B	3 12 ,,
12	21.758	19.09	85.1	54.93	85.9	.0251	.8432	19.31.4	B	4 12 ,,
13	22.444	19.10	85.1	55.04	85.7	.0252	.8444	19.31.9	C	5 12 ,,
14	23.335	19.25	85.0	55.21	85.4	.0277	.8463	19.32.3	C	6 12 ,,
15	23.884	19.29	86.1	55.22	85·6	.0284	.8464	19.32.3	C	7 12 ,,
16	23.677	19.64	85.5	54.92	85.8	.0341	.8431	19.30.3	C	8 12 ,,
17	22.854	19.75	86.3	54.68	86.1	.0359	.8405	19.29.0	L	9 12 ,,
18	22.237	20.00	87.2	54.46	87.0	.0400	.8381	19.27.5	K	10 12 ,,
19	21.208	20.12	87.7	54.29	87.4	.0419	.8362	19.26.4	K	11 12 ,,
20	20.385	20.03	88.3	54.24	88.0	.0405	.8356	19.26.5	K	Noon.
21	20.110	19.71	88.8	54.32	88.5	.0353	.8365	19.27.5	K	1 12 p. m.
22	20.590	19.51	88.5	54.51	88.5	.0320	.8386	19.28.7	L	2 12 ,,
23	20.796	19.42	88.7	54.47	88.9	.0305	.8382	19.28.7	L	3 12 ,,
JUNE 27TH-Noon.	21.139	19.25	88.6	54.47	89.0	.0277	.8382	19.29.1	L	4 12 ,,
1	21.002	18.91	87.0	54.57	87.5	.0221	.8393	19.30.3	C	5 12 ,,
2	21.758	18.96	86.8	54.66	87.0	.0229	.8403	19.30.6	C	6 12 ,,
3	21.071	18.98	86.5	54.51	86.9	.0232	.8386	19.29.9	C	7 12 ,,
4	21.208	19.06	86.2	54.67	86.8	.0246	.8404	19.30.3	C	8 12 ,,
5	21.002	19.12	86.2	54.69	86.4	.0255	.8406	19,30.3	K	9 12 ,,
6	21.139	19.24	86·0	54.69	86.3	.0276	.8406	19.30.1	K	10 12 ,,
7	21.415	19.21	85.4	54.84	86.0	.0271	.8422	19.30.8	K	11 12 ,,
8	21.345	19.18	85.3	54.89	85.8	.0265	.8428	19.31.1	K	Midnight.
9	21.551	19.20	85.0	54.92	85.7	.0269	.8431	19.31.2	B	1 12 a. m.
10	21.482	19.14	84.9	54.92	85.6	.0259	.8431	19.31.3	B	2 12 ,,
11	21.482	19.24	84.9	54.97	85.5	.0276	.8437	19.31.4	B	3 12 ,,

On the 24th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 27TH TO 29TH JUNE 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JUNE 27TH—12	21·415	19.22	84°9	55.12	85°5	8·0272	2.8453	19°32′1	B	4 12 a. m.
13	21.688	19·19	84.7	55.20	85.4	.0267	.8462	19.32·3	C	5 12 „
14	22.512	19.28	84.6	55.57	85.2	·0282	·8503	19.33·9	C	6 12 „
15	24.639	19.46	84.9	55.60	85.1	.0312	.8506	19.33·6	C	7 12 „
16	24·846	19.69	85.4	55.20	85·6	.0349	.8462	19.31.2	C	8 12 „
17	22.854	20.19	86.2	54.69	86.2	.0431	.8406	19.28.1	K	9 12 „
18	21.276	20·26	87.0	54.65	86.8	.0443	.8402	19.27·8	K	10 12 „
19	20.728	20·39	87.7	54.47	87·2	.0464	.8382	19.26.7	K	11 12 „
20	19.561	20.38	88.0	54.43	87·6	.0462	.8377	19.26.9	K	Noon.
21	19·561	20.08	88.2	54.69	88.0	.0413	.8406	19.28.4	L	1 12 p. m.
22	19.875	19.85	88.3	54.79	88.0	.0375	.8417	19.29.3	L	2 12 „
23	19.836	19.69	88.1	54.89	88.0	.0349	.8428	19·30.0	L	3 12 „
JUNE 28TH—Noon.	21.688	19.51	88·0	54.89	88.0	·0320	.8418	19.30.0	L	4 12 „
1	22.032	19.58	88.1	54.75	88.3	.0330	.8413	19.29.7	C	5 12 „
2	21.758	19.46	87.5	54.59	88.0	.0312	.8395	19.29.3	C	6 12 „
3	20·933	19.35	87.0	54.63	87.6	.0293	.8399	19.29.6	C	7 12 „
4	20.865	19·32	86.8	54.74	87.2	.0288	.8411	19.30.1	C	8 12 „
5	21.002	19.29	86.5	54.76	87·0	.0284	.8414	19.30.4	K	9 12 „
6	20.933	19.27	86.2	54.85	86.5	.0281	.8424	19.30.8	K	10 12 „
7	21.002	19.31	86.0	54.79	86.2	.0287	.8417	19.30.2	K	11 12 „
8	21.276	19·32	85·5	54.68	86.0	.0288	.8405	19.29.9	K	Midnight.
9	21.345	19.30	85.3	54.80	86.0	.0285	.8418	19.30.4	B	1 12 a. m.
10	21.619	19.27	85·1	54.83	85.6	.0281	.8421	19.30.7	B	2 12 „
11	21·482	19.26	85.0	54.92	85.7	.0279	.8431	19.31.1	B	3 12 „
12	21.415	19.36	85.0	54.87	85.6	.0295	.8426	19.30·6	B	4 12 „
13	22.305	19.37	85.0	55.24	85.4	.0297	.8466	19.32.1	C	5 12 „
14	23·816	19·28	84.9	55.62	85.3	.0282	.8508	19.34.1	C	6 12 „
15	25.189	19.51	85.1	55.38	85.1	.0320	.8482	19.32.4	C	7 12 „
16	24.502	19.89	85.5	54.87	85.8	.0382	.8426	19.29.6	C	8 12 „
17	22.444	20.35	86.4	54.39	86·2	.0457	.8373	19.26.4	L	9 12 „
18	20.522	20.58	87.0	54.20	86.8	.0495	·8352	19.25.1	K	10 12 „
19	18.189	20.73	87.7	54.27	87.3	.0520	.8360	19.25.1	K	11 12 „
20	17.709	20.65	88.2	54.43	87.8	.0506	.8377	19.26.0	K	Noon.
21	18·258	20.27	88.6	54.60	88.3	.0445	·8396	19.27.4	K	1 12 p. m.
92	19.493	20.11	89.0	54.69	88.9	.0418	.8406	19.28.2	L	2 12 „
23	20.453	19.72	89.1	54.73	89.3	.0354	.8410	19.29.3	L	3 12 „
JUNE 29TH—Noon.	21·482	19.41	89.0	54.56	89.3	.0304	.8392	19.29.2	L	4 12 „
1	21.895	19·34	88.6	54.55	89.2	.0292	.8391	19.29.3	C	5 12 „
2	21.345	19.34	88.0	54.54	89.0	.0292	·8389	19.29.2	C	6 12 „
3	20.728	19.29	87.5	54·62	88.3	.0284	.8398	19.29.8	C	7 12 „
4	21.002	19.30	87.1	54.74	88.0	.0285	.8411	19.30.1	C	8 12 „
5	21·071	19·42	87.0	54.78	87.5	·0305	.8407	19.29.8	K	9 12 „
6	21.002	19.45	86.8	54.72	87.3	.0310	.8409	19.29.8	K	10 12 „
7	21.208	19.45	86.5	54.86	87.0	.0310	.8425	19.30.5	K	11 12 „
8	21.208	19.41	86.2	54.90	86.8	.0304	·8429	19.30.7	K	Midnight.
9	21.345	19.44	86.0	54.94	86.7	.0309	.8433	19.30·8	B	1 12 a. m.
10	21.345	19.44	85.8	54.96	86.6	.0309	.8436	19.30.9	B	2 12 „
11	21.276	19.41	85.6	55.01	86.4	.0304	.8441	19.31.2	B	3 12 „
12	21.758	19.45	85.3	55.17	86.3	.0310	.8459	19.31.8	B	4 12 „
13	22.305	19.50	85.3	55.26	86.2	.0318	.8469	19.31.9	C	5 12 „
14	24.639	19.63	85.3	55.42	86.2	.0339	.8486	19.32.4	C	6 12 „
15	24 914	19.89	85·8	55·46	86.5	.0382	.8458	19.30.9	C	7 12 „
16	24.363	20.18	86.0	54.80	86.7	.0429	.8418	19·28.6	C	8 12 „
17	22.101	20.73	87·0	54.61	87.0	.0520	·8397	19.26.6	L	9 12 „
18	21.139	21.09	87.7	54.43	87.5	.0579	.8377	19.25.1	K	10 12 „
19	19.904	21.15	88.4	54.24	88.0	.0588	·8356	19.24.1	K	11 12 „
20	19.356	20.95	89.0	54.32	88.5	.0555	·8365	19.24.8	K	Noon.
21	19.013	20.74	89.2	54.39	88.9	.0522	.8373	19.25.6	K	1 12 p. m.
22	19.013	20.45	89.6	54.51	89.5	.0474	.8386	19.26.8	L	2 12 „
23	19.767	20.12	89.7	54.54	90.0	.0419	.8389	19.27.5	L	3 12 „

DAILY OBSERVATIONS FROM 30TH JUNE TO 3RD JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JUNE 30TH-Noon.	21·276	19.82	89°5	54.77	89°8	8.0370	2.8415	19°29'3	L	4 12 p. m.
1	21.963	19.70	88.9	54.65	89.1	.0351	.8402	19.28.9	C	5 12 ,,
2	21.688	19.54	88.4	54.51	89.0	.0325	.8386	19.28.6	C	6 12 ,,
3	20.796	19.45	87.8	54·50	88.7	·0310	.8385	19.28.9	C	7 12 ,,
4	20.590	19.40	87.4	54.55	88.3	·0302	.8391	19.29.2	C	8 12 ,,
5	20.796	19.48	87.2	54.70	88.2	.0315	.8407	19·29.6	K	9 12 ,,
6	20.865	19.47	87.0	54.69	88.0	.0314	.8406	19.29.7	K	10 12 ,,
7	20.865	19.52	87.0	54.88	87.8	·0321	.8427	19.30.4	K	11 12 ,,
8	21.002	19.49	86.6	54.82	87.4	.0317	.8420	19.30.1	K	Midnight.
9	21.276	19.40	86.6	54.37	87.3	.0302	·8471	19.28.4	B	1 12 a. m.
10	21.071	19.51	86.2	54.53	87.1	.0320	.8388	19.28.8	B	2 12 ,,
11	21.345	19.44	86.0	54.46	86.9	.0309	.8381	19.28.7	B	3 12 ,,
12	21.619	19.43	85.5	54.55	86.6	.0307	.8391	19.29.1	B	4 12 ,,
13	22.444	19.44	85.5	54.70	86.6	.0309	.8407	19.29.8	C	5 12 ,,
14	24.159	19.47	85.5	54.93	86.3	.0314	.8432	19.30.7	C	6 12 ,,
15	24.570	19.62.	85.8	54.68	86.5	.0337	.8405	19.29.3	C	7 12 ,,
16	24.226	19.90	86.5	54.24	86.7	.0383	.8356	19.26.9	C	8 12 ,,
17	22.512	20.37	87.2	53.67	87.2	.0461	.8294	19.23.3	L	9 12 ,,
18	19.630	20.62	87.8	53.31	87.6	.0501	.8254	19.21.3	K	10 12 ,,
19	16.955	20.81	88.6	53·35	88.2	.0533	.8259	19·21.1	K	11 12 ,,
20	15.377	20.70	89.2	53.66	88.8	.0515	.8293	19.22.5	K	Noon.
21	15.994	20.50	89·7	53.90	89.3	·0482	.8319	19.24.1	K	1 12 p. m.
22	17·846	20.18	89.5	54.24	89.7	.0429	.8356	19·26.2	L	2 12 ,,
23	19.493	19.85	89.4	54.34	89.8	.0375	.8367	19.27·3	L	3 12 ,,
JULY 1ST-Noon.	20.728	19.62	89.3	54.30	89.9	.0337	·8363	19.27.6	L	4 12 ,,
1	21.276	19.52	89.0	54.06	90.0	.0321	.8337	19.26.9	C	5 12 ,,
2	20.796	19.46	88.0	53.97	89.5	.0312	.8327	19.26.7	C	6 12 ,,
3	20.110	19.36	87.0	54.14	88.6	.0295	.8345	19.27.5	C	7 12 ,,
4	20.179	19.38	86.3	54.26	88.0	.0298	.8359	19·28.0	C	8 12 ,,
5	20.728	19.50	86·5	54.25	87.8	.0318	.8358	19.27.7	K	9 12 ,,
6	20.522	19·64	86.7	54·25	87.5	.0341	.8358	19.27.5	K	10 12 ,,
7	20·796	19.87	86.7	54.28	87.3	.0379	.8361	19.27.0	K	11 12 ,,
8	20.796	19.67	86.5	54.37	87.2	.0346	.8371	19.27.7	K	Midnight.
9	21.482	19.56	86·3	54.48	87.2	·0328	·8383	19.28.5	B	1 12 a. m.
10	21.139	19.59	86.1	54.51	87.0	.0333	·8386	19.28.6	B	2 12 ,,
11	21.482	19.57	86.0	54·55	86·7	.0331	.8391	19·28.8	B	3 12 ,,
12	21.415	19.62	85.8	54.54	86.4	.0337	.8389	19.28·6	B	4 12 ,,
13	22.649	19.53	85.5	54.74	86.2	.0323	.8411	19·29.7	C	5 12 ,,
14	24.363	19.66	85.5	54.89	86.1	.0344	.8428	19.30.2	C	6 12 ,,
15	24.226	19.91	85.7	54.74	86.1	.0385	.8411	19.28.8	C	7 12 ,,
16	23.816	20.34	86.3	54.45	86·5	.0456	.8380	19.26.7	C	8 12 ,,
17	22.305	20.67	87.0	53·96	87.0	.0510	.8326	19·24.0	K	9 12 ,,
18	20·385	20.85	87·7	53.70	87.4	.0539	.8297	19·22.5	K	10 12 ,,
19	18.395	21.02	88.4	53.62	88.0	.0567	.8288	19.21.7	K	11 12 ,,
20	17.229	20.89	88.6	53.67	88·3	.0546	.8294	19.22.1	K	Noon.
21	16.955	20.71	89.0	53.71	88.8	.0517	.8298	19.22.7	L	1 12 p. m.
22	17.572	20.41	89.5	53.93	89.3	.0468	.8322	19.24.3	L	2 12 ,,
23	19.218	20.28	89.7	54.19	89·7	.0446	.8351	19.25·7	L	3 12 ,,
JULY 3RD-Noon.	21.551	20.07	89.1	54.11	90.3	.0412	.8342	19.25.9	B	4 12 ,,
1	21.482	20.04	88.8	54.11	90·3	.0407	.8342	19.25.9	B	5 12 ,,
2	20.522	19·75	88.3	53.94	89.8	·0359	.8323	19.25.8	B	6 12 ,,
3	19.767	19.67	87.5	54.03	89·2	.0346	.8333	19.26.3	B	7 12 ,,
4	19.767	19.77	87.3	54.26	88.8	.0363	.8359	19.27.2	B	8 12 ,,
5	20.110	19.81	87.0	54.39	88.4	.0369	·8373	19.27.6	C	9 12 ,,
6	20.247	20.03	86·9	54.45	88·0	.0405	.8380	19.27.4	C	10 12 ,,
7	20.728	20.02	86.8	54.64	87.9	.0403	.8400	19.28.3	C	11 12 ,,
8	21.276	20.01	86.5	54.65	87.6	.0402	.8402	19.28.3	C	Midnight.
9	21·276	20.00	86.2	54.66	87.2	.0400	.8403	19.28.4	K	1 12 a. m.
10	21.619	19.99	86.0	54.57	87·0	.0398	.8393	19·28.0	K	2 12 ,,
11	21.551	20.14	85.8	54.54	86·9	.0423	.8389	19.27.5	K	3 12 ,,

On the 30th, at about 19h., Dip as obtained by Observation was 19°11'7.
On the 1st, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 3RD TO 5TH JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
July 3rd—12	21·826	20.18	85·7	54.46	86·8	8.0429	2.8381	19°27·1	K	4 12 a.m.
13	22.101	20.14	85.5	54.75	86.6	.0423	.8413	19.28.5	L	5 12 „
14	23.198	20.11	85·3	54.97	86.3	.0418	.8437	19.29.5	L	6 12 „
15	24.295	20.04	85.5	54.97	86.4	.0407	.8437	19.29.7	L	7 12 „
16	24.295	20.29	86.2	55.18	86.8	.0448	.8460	19.29.9	L	8 12 „
17	22.305	20.41	86.8	54·46	87·0	.0468	.8381	19.26.6	C	9 12 „
18	21.415	20.55	87.0	54.48	87.3	.0490	.8383	19.26·4	C	10 12 „
19	20.659	20.67	87.5	54.53	87.9	.0510	.8388	19.26.4	C	11 12 „
20	20.316	20.59	88.0	54.39	88.1	.0497	.8373	19.25.9	C	Noon.
21	19.699	20.63	88.8	54.66	88.8	.0503	.8403	19·27.1	K	1 12 p.m.
22	20.728	20.44	89.0	54.78	89·2	.0493	.8416	19.28.0	K	2 12 „
23	22.787	20.24	89.3	54.57	89.5	.0440	.8393	19.27.5	K	3 12 „
July 4th-Noon.	21.208	19.98	89.0	54.41	89.7	.0396	·8375	19.27.3	K	4 12 „
1	20.590	19.68	88.3	54.46	89.3	.0347	.8381	19.28.1	L	5 12 „
2	21·071	19·34	87.7	54.58	88.7	.0292	.8394	19.29.4	L	6 12 „
3	20.179	19.49	87.3	54.57	88.4	.0317	·8393	19.29.1	L	7 12 „
4	20.110	19.34	87.0	54.70	88.0	.0292	.8407	19.30·0	L	8 12 „
5	20.659	19.45	86.9	54·81	88.0	.0310	.8419	19.30.2	C	9 12 „
6	20.933	19.48	86.8	54.52	87.9	.0315	.8387	19.28.8	C	10 12 „
7	20.728	19.54	86.6	54.64	87·5	.0325	.8400	19.29.2	C	11 12 „
8	21.002	19.61	86.5	54.66	87.1	.0336	.8403	19.29.2	C	Midnight.
9	21.071	19.65	86.5	54.62	87.2	.0342	.8398	19.29.0	K	1 12 a.m.
10	21·139	19.47	86·5	54.62	87.2	.0314	·8398	19.29.4	K	2 12 „
11	21.688	19.46	86.5	54.67	87.2	.0312	.8404	19.29.6	K	3 12 „
12	21.758	19.45	86.3	54.69	87.0	.0310	.8406	19.29·7	K	4 12 „
13	22.032	19.25	86·3	54.81	86.9	.0277	.8419	19.30.6	L	5 12 „
14	23.060	19.21	85.5	55.03	86.4	.0271	.8443	19.31.7	L	6 12 „
15	22.649	18.88	84.9	54·77	85.9	.0216	.8415	19.31.2	L	7 12 „
16	21.415	19.07	85.3	54.76	86.1	.0248	.8414	19.30.7	L	8 12 „
17	21.345	19.38	85.5	54·69	86.2	.0298	.8406	19.29.7	C	9 12 „
18	20.520	19.64	96.5	54.54	86.8	.0341	.8389	19.28.6	C	10 12 „
19	19.424	19·75	87.0	54.41	87.0	.0359	.8375	19.27.8	C	11 12 „
20	18·670	19.80	87.8	54·42	87.6	.0367	.8376	19.27.7	C	Noon.
21	18.807	19.82	88.3	54.26	88.0	.0370	.8359	19·27.1	K	1 12 p. m.
22	19.767	19.71	88.8	54.36	88·5	.0353	.8370	19.27.7	K	2 12 „
23	20.179	19.64	88.6	54.68	88.8	·0341	.8405	19.29.3	K	3 12 „
July 5th-Noon.	20.590	19.49	88·3	54.71	88.6	.0317	.8408	19.29.6	K	4 12 „
1	20.796	19.49	88.4	54.75	89.0	.0317	.8413	19.29.8	L	5 12 „
2	21.688	19.30	87·9	54.77	88.9	.0285	.8415	19.30.3	L	6 12 „
3	21.208	19.16	87.3	54.68	88.5	.0262	.8405	19.30.3	L	7 12 „
4	20.933	19.22	87·1	54.76	88.0	.0272	·8413	19.30.5	L	8 12 „
5	20.933	19.27	86.9	54.79	87.9	.0281	.8417	19.30.6	C	9 12 „
6	20.933	19.30	86·6	54.87	87.4	·0285	.8426	19.30.7	C	10 12 „
7	20.865	19.33	86.4	54.95	87.1	.0290	.8435	19.31.1	C	11 12 „
8	21.071	19.42	86.2	54.73	87.0	.0305	.8410	19.29.9	C	Midnight.
9	21.276	19.52	86.2	54.81	87.0	.0321	.8419	19.30.0	K	1 12 a. m.
10	21.139	19.50	86.0	54.77	86.8	.0318	.8415	19.29.9	K	2 12 „
11	21.208	19.53	86.0	54.95	86.6	.0323	.8435	19.30.9	K	3 12 „
12	20.933	19.71	85.9	54.89	86.4	.0353	.8428	19.30·0	K	4 12 „
13	20.865	19.50	85.7	54.87	86.3	.0318	.8426	19.30.3	L	5 12 „
14	22.032	19.74	85.7	55.02	86.8	.0358	.8442	19.30.4	L	6 12 „
15	23.404	19.94	85.9	55.01	86·4	.0390	.8441	19·30.0	L	7 12 „
16	23.540	20·13	86.4	54.70	86.8	.0421	.8407	19.28.3	L	8 12 „
17	21·551	20.32	87.0	54.44	87.2	.0452	.8378	19·26.7	C	9 12 „
18	20.728	20·75	87.8	54·54	87·9	.0523	.8389	19·26.2	C	10 12 „
19	20·522	20.89	88·2	54.54	88.1	.0546	.8389	19.25.8	C	11 12 „
20	19.767	20.78	88.8	54.53	88.7	.0528	.8388	19.26.1	C	Noon.
21	19.493	20·67	89·0	54.67	89.0	.0510	.8404	19.27.0	K	1 12 p. m.
22	20.247	20.21	89.5	54.84	89.5	.0435	.8422	19.28.6	K	2 12 „
23	20.522	20.15	90.0	54.76	90.2	.0424	.8414	19.28.6	K	3 12 „

On the 4th, at about 19h. 25m., Dip as obtained by Observation was 19°10'6.

DAILY OBSERVATIONS FROM 6TH TO 8TH JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
July 6th-Noon.	20·933	19.74	89°8	54.81	90°4	8.0358	2.8419	19°29′5	K	4 12 p. m.
1	20.728	19.53	89.2	54.75	90.1	.0323	.8413	19.29.8	L	5 12 ,,
2	21.208	19.43	88.5	54.71	89.6	.0307	.8408	19.29.8	L	6 12 ,,
3	20.728	19.39	88.0	54.65	89.0	.0300	.8402	19.29.6	L	7 12 ,,
4	20.590	19.52	87.6	54.74	88.8	.0321	.8411	19.29.7	L	8 12 ,,
5	21.208	19.42	87.4	54.84	88.4	.0305	.8422	19.30.3	C	9 12 ,,
6	21.551	19.33	87.3	54.70	88.2	.0290	.8407	19.30.0	C	10 12 ,,
7	21.139	19.54	87.1	54.71	88.0	.0325	.8408	19.29.5	C	11 12 ,,
8	21.688	19.58	86.9	54.67	87.9	.0331	.8404	19.29.3	C	Midnight.
9	21.551	19.60	86.7	54.73	87.8	.0334	.8410	19.29.6	K	1 12 a. m.
10	21.551	19.61	86.5	54.53	87.5	.0336	.8388	19.28.6	K	2 12 ,,
11	21.758	19.60	86.4	54.52	87.4	.0334	.8387	19.28.7	K	3 12 ,,
12	21.895	19.60	86.2	54.54	87.2	.0334	.8389	19.28.7	K	4 12 ,,
13	22.101	19.48	86.1	54.71	87.1	.0315	.8408	19.29.6	L	5 12 ,,
14	23.540	19.58	86.2	54.87	87.2	.0331	.8426	19.30.2	L	6 12 ,,
15	24.090	19.64	86.5	54.77	87.2	.0341	.8415	19.29.7	L	7 12 ,,
16	23.540	20.09	86.9	54.50	87.3	.0415	.8385	19.27.4	L	8 12 ,,
17	22.444	20.53	87.3	54.31	87.7	.0487	.8364	19.25.6	C	9 12 ,,
18	21.345	20.46	87.9	54.24	88.0	.0476	.8356	19.25.6	C	10 12 ,,
19	20.042	20.48	88.6	54.13	88.8	.0479	.8344	19.25.1	C	11 12 ,,
20	19.218	20.36	89.3	54.12	89.1	.0459	.8343	19.25.6	C	Noon.
21	19.081	20.50	90.0	54.29	89.6	.0482	.8362	19.25.7	K	1 12 p. m.
22	19.561	20.26	90.2	54.25	90.1	.0443	.8358	19.26.2	K	2 12 ,,
23	19.973	20.04	90.5	54.48	90.5	.0407	.8383	19.27.5	K	3 12 ,,
July 7th-Noon.	21.002	19.86	90.2	54.43	91.0	.0377	.8377	19.27.7	K	4 12 ,,
1	21.345	19.71	90.1	54.43	91.1	.0353	.8377	19.28.0	L	5 12 ,,
2	21.482	19.46	89.2	54.37	90.8	.0312	.8371	19.28.3	L	6 12 ,,
3	20.728	19.36	88.6	54.27	90.5	.0295	.8361	19.28.0	L	7 12 ,,
4	20.522	19.33	88.1	54.39	89.6	.0290	.8373	19.28.6	L	8 12 ,,
5	20.796	19.32	87.9	54.49	89.1	.0288	.8384	19.29.0	C	9 12 ,,
6	21.002	19.39	87.8	54.57	89.0	.0300	.8393	19.29.3	C	10 12 ,,
7	21.002	19.46	87.4	54.62	88.4	.0312	.8398	19.29.4	C	11 12 ,,
8	21.208	19.55	87.1	54.38	88.0	.0326	.8372	19.28.0	C	Midnight.
9	21.551	19.61	87.0	54.28	88.0	.0336	.8383	19.28.4	K	1 12 a. m.
10	21.415	19.43	86.8	54.34	87.9	.0307	.8367	19.28.2	K	2 12 ,,
11	21.071	19.35	86.2	54.52	87.2	.0293	.8387	19.29.2	K	3 12 ,,
12	21.276	19.49	86.2	54.48	87.0	.0317	.8383	19.28.6	K	4 12 ,,
13	22.032	19.48	86.1	54.70	87.4	.0315	.8407	19.29.6	L	5 12 ,,
14	23.473	19.57	86.2	54.90	87.4	.0330	.8429	19.30.3	L	6 12 ,,
15	23.540	19.50	86.4	54.90	87.4	.0318	.8429	19.30.4	L	7 12 ,,
16	24.502	19.68	86.8	54.81	87.5	.0347	.8419	19.29.6	L	8 12 ,,
17	23.884	19.91	87.2	54.48	87.7	.0386	.8383	19.27.7	C	9 12 ,,
18	22.718	20.14	87.1	54.28	87.5	.0423	.8361	19.26.4	C	10 12 ,,
19	21.139	20.43	88.0	53.94	88.0	.0471	.8323	19.24.4	C	11 12 ,,
20	20.453	20.57	88·6	53.85	88.9	.0494	.8314	19.23.7	C	Noon.
21	19.973	20.46	89.1	53.84	89.2	.0476	.8312	19.23.6	K	1 12 p. m.
22	19.287	20.19	89.5	53.89	89.5	.0431	.8318	19.24.7	K	2 12 ,,
23	19.561	19.76	89.8	54.10	90.1	.0361	.8341	19.26.5	K	3 12 ,,
July 8th-Noon.	20.316	19.60	89.7	54.31	90.3	.0334	.8364	19.27.7	K	4 12 ,,
1	20.659	19.57	89.2	54.29	90.3	.0330	.8362	19.27.6	L	5 12 ,,
2	21.071	19.63	88.7	54.20	90.0	.0339	.8352	19.27.2	L	6 12 ,,
3	20.796	19.42	87.9	54.17	89.5	.0305	.8349	19.27.5	L	7 12 ,,
4	20.590	19.41	87.7	54.29	89.1	.0304	.8362	19.28.0	L	8 12 ,,
5	20.933	19.38	87.2	54.34	88.9	.0298	.8367	19.28.3	C	9 12 ,,
6	21.071	19.42	87.2	54.45	88.4	.0305	.8380	19.28.7	C	10 12 ,,
7	21.002	19.48	87.0	54.50	88.1	.0315	.8385	19.28.7	C	11 12 ,,
8	21.688	19.51	86.7	54.59	87.9	.0320	.8395	19.29.1	C	Midnight.
9	21.688	19.53	86.6	54.59	87.8	.0323	.8395	19.29.1	K	1 12 a. m.
10	21.551	19.63	86.5	54.53	87.6	.0339	.8388	19.28.6	K	2 12 ,,
11	21.415	19.61	86.4	54.58	87.6	.0336	.8394	19.28.8	K	3 12 ,,

On the 7th, at about 19h. 20m., Dip as obtained by Observation was 19°03′8.

DAILY OBSERVATIONS FROM 8TH TO 11TH JULY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JULY 8TH—12	21'551	19.59	86°4	54.68	87°6	8.0333	2.8405	19°29'4	K	4 12 a. m.
13	21.826	19.58	86.3	54.70	86.3	.0331	.8407	19.29.5	L	5 12 „
14	22.787	19.61	86.2	54.86	87.1	·0336	.8425	19.30.1	L	6 12 „
15	23 267	19.57	86.0	54.91	86·9	.0330	.8430	19.30.4	L	7 12 „
16	24.159	19.64	86.7	54.86	87.1	.0341	.8425	19.30.1	L	8 12 „
17	23.884	20.18	87.2	54.43	87.6	.0429	·8377	19.27.0	C	9 12 „
18	22.444	20.48	88.0	54.13	88.0	.0479	.8344	19.25.1	C	10 12 „
19	21.208	20.55	88.6	54.02	88.5	.0490	.8332	19.24.4	C	11 12 „
20	21.002	20.50	88.7	54.27	88.9	.0480	·8360	19.25.7	C	Noon.
21	20.522	20·86	89.2	54.20	89.2	.0541	.8352	19.24.6	K	1 12 p. m.
22	20.247	20.68	89.5	53.89	89.7	.0511	.8318	19.23.7	K	2 12 „
23	19.493	20.54	89.8	53.81	90.2	·0489	.8309	19.23.5	K	3 12 „
JULY 10TH-Noon.	21.071	19.51	89.3	54.69	90.4	.0320	.8406	19.29.5	B	4 12 „
1	21.439	19.21	88.5	54.39	89.8	.0271	.8373	19.29.1	B	5 12 „
2	20.865	19.18	88.1	54.33	89.4	.0265	.8366	19.28.6	B	6 12 „
3	20.728	19.28	87·5	54.45	89.0	.0282	.8380	19.29.1	B	7 12 „
4	20.933	19.23	87.5	54.52	88.9	.0274	.8387	19.29.5	B	8 12 „
5	21.071	19.21	87.5	54.55	88·9	.0271	.8391	19.29.6	C	9 12 „
6	21.415	19.25	87.5	54.61	88.5	.0277	.8397	19.29.8	C	10 12 „
7	21.482	19·06	87.0	54.72	88.1	.0246	.8409	19.30.5	C	11 12 „
8	21.482	19.24	87.0	54.59	88.0	.0276	.8395	19.30.7	C	Midnight.
9	21.551	19.42	86.8	54.74	88.0	.0305	.8411	19.29.9	K	1 12 a. m.
10	22.444	19.35	85.7	54.69	86.3	.0293	.8406	19·29.9	K	2 12 „
11	22.444	19.52	85.0	54.63	86.0	.0321	.8399	19.29.2	K	3 12 „
12	22.237	19.81	85.0	54.93	86.0	.0369	·8432	19.30.0	K	4 12 „
13	22.787	19.77	84.9	54.56	86.0	.0363	.8392	19·28·4	L	5 12 „
14	24.159	19.91	84.7	54.65	85·8	.0385	.8401	19.28.4	L	6 12 „
15	24.226	19.99	85.0	54·53	86.0	.0398	.8388	19.27.8	L	7 12 „
16	23·953	20.38	85.7	54.57	86.2	.0462	·8393	19.27·2	L	8 12 „
17	23.404	20.47	86.5	54.32	86.7	·0478	.8365	19.25.9	C	9 12 „
18	21.619	20.39	87.2	54.32	87.3	.0464	.8365	19·26.1	C	10 12 „
19	20·522	19.88	87.8	54.77	87.7	.0380	.8415	19.29.2	C	11 12 „
20	20.453	19.51	88.1	55.24	88.0	.0320	.8466	19.31.8	C	Noon.
21	21.071	19.03	89.0	55.46	88.6	.0241	.8491	19.33.9	K	1 12 p. m.
22	20.723	19.43	89.5	55.43	89·2	.0307	.8487	19.32.9	K	2 12 „
23	20.659	19.49	89.2	55·33	89.2	.0317	.8476	19·32·2	K	3 12 „
JULY 11TH-Noon.	21.071	19.45	89.0	55.03	89.2	.0310	.8443	19.31.2	K	4 12 „
1	20.659	19.20	88.2	54.95	88.9	.0269	.8435	19.31.4	L	5 12 „
2	20.659	18.67	87.3	54.96	88.0	.0181	.8436	19.32.6	L	6 12 „
3	21.826	18.32	85.5	55.17	86.9	.0124	.8459	19.34.2	L	7 12 „
4	23.540	17.30	85.6	55.57	86·6	.0121	.8503	19.35.9	L	8 12 „
5	23.404	16.82	85.0	55.42	86.0	7·9878	.8486	19.36.4	C	9 12 „
6	24.159	18·77	85·0	55.38	85.9	·9871	.8482	19.38·3	C	10 12 „
7	23.677	17.56	85.0	55.18	85·9	8.0000	.8460	19.35.8	C	11 12 „
8	23.404	16.89	84·8	55.35	85.8	7·9890	.8479	19.37.9	C	Midnight.
9	24.502	17.44	84.8	55.32	85.5	.9981	.8475	19.36·7	K	1 12 a. m.
10	23.609	17.47	84.7	55·41	85·4	.9986	.8485	19.36.9	K	2 12 „
11	24.226	17.97	84.8	55.56	85.4	8.0067	.8502	19.36.5	K	3 12 „
12	26.080	18.57	84.8	55.66	85.3	.0166	.8513	19.35.7	K	4 12 „
13	24.846	18.19	84.6	55.71	85.4	.0100	.8518	19.36.8	L	5 12 „
14	26.286	18·30	84.3	55.93	85.0	.0121	.8542	19.37.4	L	6 12 „
15	26.629	18.53	84.8	55·73	85.1	.0167	·8520	19.36.0	L	7 12 „
16	25.875	18.85	85.3	55.26	85.4	.0211	·8469	19.33.4	L	8 12 „
17	24.090	19.17	86.0	54.92	86.0	.0264	.8431	19.31.3	C	9 12 „
18	21.415	19·31	86.9	54.75	86.5	.0287	.8413	19.30.2	C	10 12 „
19	20.042	19.14	87.4	54.72	87.2	.0259	·8409	19.30.4	C	11 12 „
20	18.052	19.32	87.7	54.74	87.4	.0288	.8411	19.30.1	C	Noon.
21	17.641	19.74	88·3	54.94	88.0	.0358	.8433	19.30.1	K	1 12 p. m.
22	18.670	19.85	88.9	55.00	88.4	.0375	.8440	19·30.2	K	2 12 „
23	19.904	19.80	88.9	55.06	88.8	.0367	.8447	19.30.6	K	3 12 „

On the 8th, at about 19h. 30m., Deflection Observations were taken.

On the 11th, at about 19h. 45m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS FROM 12TH TO 14TH JULY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JULY 12TH-Noon.	20°659	19.57	89°0	54.78	89°4	8.0330	2.8416	19°29'8	K	4 12 p. m.
1	20.453	19.29	88.7	54.79	89.7	.0284	.8417	19.30.6	L	5 12 ,,
2	20.865	19.22	88.3	54.62	89.0	.0272	.8398	19.29.9	L	6 12 ,,
3	20.453	19.03	87.8	54.78	88.8	.0241	.8416	19.31.0	L	7 12 ,,
4	20.453	19.11	87.7	54.96	88.7	.0254	.8436	19.31.6	L	8 12 ,,
5	21.551	18.87	87.5	55.05	88.4	.0216	.8446	19.32.4	C	9 12 ,,
6	21.415	18.89	87.3	54.99	88.1	.0218	.8439	19.32.1	C	10 12 ,,
7	22.101	18.98	87.1	55.44	88.0	.0232	.8488	19.33.9	C	11 12 ,,
8	22.581	18.81	87.0	55.46	87.8	.0205	.8491	19.34.3	C	Midnight.
9	22.649	19.07	86.5	55.47	87.2	.0248	.8492	19.33.7	K	1 12 a. m
10	22.923	18.83	86.0	55.48	87.0	.0208	.8493	19.34.4	K	2 12 ,,
11	22.787	18.89	85.5	55.50	86.7	.0218	.8495	19.34.3	K	3 12 ,,
12	22.787	18.96	84.8	55.48	86.0	.0229	.8493	19.34.1	K	4 12 ,,
13	23.267	19.02	84.6	55.58	86.0	.0239	.8503	19.34.4	L	5 12 ,,
14	24.159	18.96	84.4	55.65	85.3	.0229	.8511	19.34.8	L	6 12 ,,
15	24.502	19.12	84.6	55.60	85.3	.0255	.8506	19.34.2	L	7 12 ,,
16	24.226	19.41	85.2	55.32	85.9	.0304	.8475	19.32.5	L	8 12 ,,
17	20.404	19.64	86.0	54.97	86.1	.0341	.8437	19.30.6	C	9 12 ,,
18	21.551	20.01	86.9	54.26	87.0	.0402	.8359	19.26.7	C	10 12 ,,
19	20.179	20.23	87.7	54.56	87.7	.0438	.8392	19.27.4	C	11 12 ,,
20	19.013	20.19	87.9	54.52	88.0	.0431	.8387	19.27.4	C	Noon.
21	19.081	19.86	88.4	54.66	88.5	.0377	.8403	19.28.7	K	1 12 p. m.
22	19.150	19.55	89.0	54.52	89.0	.0326	.8387	19.28.7	K	2 12 ,,
23	19.356	19.37	89.0	54.59	89.5	.0297	.8395	19.29.4	K	3 12 ,,
JULY 13TH-Noon.	20.453	19.19	88.0	55.26	88.8	.0270	.8469	19.32.6	K	4 12 ,,
1	21.071	18.90	87.5	55.33	88.3	.0219	.8476	19.33.5	L	5 12 ,,
2	22.168	18.83	87.3	55.42	88.1	.0208	.8486	19.34.1	L	6 12 ,,
3	21.963	18.98	86.7	55.28	87.8	.0232	.8471	19.33.3	L	7 12 ,,
4	21.482	19.11	86.2	55.32	87.4	.0254	.8475	19.33.1	L	8 12 ,,
5	21.482	19.00	85.4	55.36	87.0	.0236	.8480	19.33.5	C	9 12 ,,
6	21.415	19.06	85.3	55.34	86.6	.0246	.8477	19.33.2	C	10 12 ,,
7	20.796	19.18	85.2	55.38	86.3	.0265	.8482	19.33.1	C	11 12 ,,
8	21.758	19.08	84.9	55.44	86.2	.0249	.8488	19.33.4	C	Midnight.
9	21.276	19.31	84.5	55.46	85.8	.0287	.8491	19.33.2	K	1 12 a. m.
10	22.444	19.28	84.3	55.47	85.5	.0282	.8494	19.33.5	K	2 12 ,,
11	22.444	19.08	84.2	55.49	85.3	.0249	.8494	19.33.8	K	3 12 ,,
12	22.581	19.12	84.0	55.41	85.3	.0255	.8485	19.33.4	K	4 12 ,,
13	22.374	19.24	84.0	55.51	85.2	.0276	.8496	19.33.6	L	5 12 ,,
14	24.226	19.35	84.0	55.73	85.1	.0293	.8420	19.34.4	L	6 12 ,,
15	24.570	19.55	84.4	55.51	85.2	.0326	.8496	19.32.9	L	7 12 ,,
16	24.502	19.90	85.3	55.32	85 5	.0383	.8474	19.31.4	L	8 12 ,,
17	23.816	20.21	86.2	55.05	86.1	.0435	.8446	19.29.6	C	9 12 ,,
18	22.923	20.39	86.8	54.77	86.6	.0464	.8415	19.28.1	C	10 12 ,,
19	21.482	20.82	87.6	54.37	87.4	.0534	.8371	19.25.4	C	11 12 ,,
20	19.973	20.71	88.4	54.49	88.0	.0517	.8384	19.26.0	C	Noon.
21	19.218	20.51	89.0	54.33	88.5	.0484	.8366	19.25.9	K	1 12 p. m.
22	18.601	20.17	89.3	54.37	89.0	.0428	.8371	19.26 7	K	2 12 ,,
23	19.218	19.99	89.7	54.63	89.3	.0398	.8399	19.28.2	K	3 12 ,,
JULY 14TH-Noon.	20.659	19.76	89.8	54.69	89.8	.0361	.8406	19.29.0	K	4 12 ,,
1	21.276	19.51	89.2	54.51	89.7	.0320	.8386	19.28.7	L	5 12 ,,
2	21.482	19.50	88.6	54.53	89.2	.0318	.8388	19.28.8	L	6 12 ,,
3	21.071	19.52	88.1	54.52	89.0	.0321	.8387	19.28.8	L	7 12 ,,
4	20.933	19.42	87.6	54.66	88.7	.0305	.8403	19.29.6	L	8 12 ,,
5	21.071	19.42	87.0	54.62	88.1	.0305	.8398	19.29.4	C	9 12 ,,
6	21.208	19.53	86.9	54.96	88.0	.0323	.8433	19.30.6	C	10 12 ,,
7	21.345	19.63	86.7	54.98	87.8	.0339	.8438	19.30.6	C	11 12 ,,
8	21.415	19.60	86.7	55.04	87.5	.0336	.8444	19.30.8	C	Midnight.
9	21.963	19.38	85.4	55.14	86.2	.0398	.8455	19.31.8	K	1 12 a. m.
10	21.758	19.51	85.2	55.12	85.8	.0320	.8453	19.31.4	K	2 12 ,,
11	22.237	19.45	85.0	55.07	85.6	.0310	.8448	19.31.4	K	3 12 ,,

DAILY OBSERVATIONS FROM 14TH TO 17TH JULY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JULY 14TH—12	22·581	19.55	85·0	55.17	85·6	8.0326	2.8459	19°31·5	K	4 12 a. m.
13	22.923	19.51	85.0	55.25	85.8	.0320	.8468	19.31.9	L	5 12 „
14	24.021	19.70	85.0	55.37	85.6	·0351	.8481	19.32.1	L	6 12 „
15	24·090	19.83	85.3	55.25	85.8	.0372	.8468	19.31.3	L	7 12 „
16	24.295	20.18	85.8	54.90	86.0	.0429	.8429	19.29.0	L	8 12 „
17	23.130	20·58	86.4	54·66	86.5	.0495	.8403	19·27·1	C	9 12 „
18	21.482	20.92	87.0	54.26	87.0	.0550	.8359	19·24.7	C	10 12 „
19	20.385	20.78	87.4	54.04	87.4	.0528	.8334	19.24·0	C	11 12 „
20	18.522	20·71	88.1	54.04	88.0	.0517	.8334	19.24.1	C	Noon.
21	17.503	20.56	88.2	54.12	88.9	.0492	.8343	19.24.9	R	1 12 p. m.
22	18.327	20.34	88.2	54.53	89.3	.0456	.8388	19.26.9	R	2 12 „
23	19.904	20.02	88.0	54.76	88.7	.0403	.8414	19.28 8	R	3 12 „
JULY 15TH—Noon.	21.415	19·79	87.7	54.98	88.2	.0366	.8438	19.30.2	R	4 12 „
1	21.551	19.61	87.2	54·73	87.7	.0336	.8410	19.29.5	L	5 12 „
2	21.688	19.64	87.1	54.68	87.7	.0341	.8405	19.29.3	L	6 12 „
3	20.728	19·52	86.8	54.71	87.5	.0321	·8408	19.29.6	L	7 12 „
4	20.865	19.55	86.7	54·87	87.4	.0326	.8404	19.29.3	L	8 12 „
5	21.139	19.58	86.6	54.96	87.3	.0331	.8436	19.30.6	C	9 12 „
6	21.688	19.55	86.2	54.97	87.0	.0326	.8437	19.30.7	C	10 12 „
7	21.345	19.64	86.0	54.99	86 9	.0341	.8439	19.30.6	C	11 12 „
8	21.482	19.66	85.9	55.06	86.5	.0344	.8447	19.31.0	C	Midnight.
9	21.619	19.63	85.8	55.10	86.8	.0339	.8451	19.31.1	R	1 12 a. m.
10	21·758	19.55	85.6	55.10	86.7	.0326	.8451	19.31.2	R	2 12 „
11	22.101	19.52	85·4	55.14	86.3	.0321	.8455	19 31.5	R	3 12 „
12	22.101	19.52	85.0	55.23	86.2	.0321	.8465	19.31.8	R	4 12 „
13	22.512	19·64	85.0	55.28	86.0	.0341	.8471	19.31.8	L	5 12 „
14	23.884	19·64	85.0	55.49	85.8	.0341	.8494	19.32.7	L	6 12 „
15	24.846	19.77	85.2	55 35	85.8	.0363	.8479	19.31.8	L	7 12 „
16	25.051	20.09	85.8	55.11	86.5	.0415	.8456	19.30.2	L	8 12 „
17	23·540	20.71	86.6	54.73	87·0	.0517	.8410	19 27.1	R	9 12 „
18	22.923	20.86	87.0	54.43	87.0	.0541	.8377	19.25.6	R	10 12 „
19	20.728	20.96	87.7	54.38	87.7	.0557	.8372	19.25.0	R	11 12 „
20	20.110	20.74	88.0	54.28	88·0	.0522	.8361	19·25.1	R	Noon.
21	19.699	20.44	88.0	54.32	88.0	.0473	.8365	19.26.0	C	1 12 p. m.
22	19·836	20.20	87.8	54.40	88.2	.0433	.8374	19·26·8	C	2 12 „
23	21.071	19.92	86.0	54.71	87.0	.0386	.8408	19.28.7	C	3 12 „
JULY 17TH—Noon.	21.208	19.63	83.6	55.45	84.2	.0339	.8490	19·32·6	L	4 12 „
1	22.237	19.40	83.6	55.53	84.3	.0302	.8498	19·33·4	L	5 12 „
2	21.758	19.29	83.2	55.28	84.2	.0284	.8491	19·32·6	L	6 12 „
3	20.316	19.42	83.0	55.14	83.9	.0305	.8455	19.31.7	L	7 12 „
4	20.179	19.51	82.6	55.32	83.3	.0320	.8475	19·32·2	L	8 12 „
5	20.453	19.51	82.6	55.47	83.0	.0320	.8491	19·32·8	L	9 12 „
6	20.865	19.45	81.9	55·54	82.6	.0310	.8499	19·33·3	C	10 12 „
7	20.933	19.43	81.6	55.58	82.5	.0307	.8504	19·33·5	C	11 12 „
8	21.208	19.37	81.2	55.86	82.1	.0297	.8535	19·34·9	C	Midnight.
9	21.619	19.36	81.0	56.05	82.0	.0295	.8556	19·35·7	R	1 12 a. m.
10	21.886	19.42	80.9	56.06	82.0	.0305	.8557	19·35·7	R	2 12 „
11	21.619	19.42	81.0	55.95	81.9	.0305	.8545	19·35·2	R	3 12 „
12	22.101	19.61	80·9	56.03	81.8	.0336	.8553	19·35.1	R	4 12 „
13	22.512	19.59	81.0	56.20	81.7	.0333	.8572	19·35·8	L	5 12 „
14	24.570	19.78	81.0	56.40	81.6	.0364	.8594	19·36·3	L	6 12 „
15	25.806	19.79	81.3	56.25	81.7	.0366	.8578	19·35·7	L	7 12 „
16	25·394	19.88	81.4	55.82	81.8	.0380	·8530	19·33.7	L	8 12 „
17	22.991	20.24	81.7	55.36	82.0	.0440	.8480	19·30·9	C	9 12 „
18	20.796	20.59	81.9	55.14	82.0	.0497	.8455	19·29·2	C	10 12 „
19	19.493	20.59	81.8	55.21	82·0	.0497	.8463	19·29·4	C	11 12 „
20	18.670	20.15	81.0	55.15	81.5	.0424	.8457	19.30·3	C	Noon.
21	17.641	19.63	81.0	55.31	81.5	.0339	.8474	19.31·9	R	1 12 p. m.
22	17.023	19.05	81.2	55.41	81.9	.0244	.8435	19.33·7	R	2 12 „
23	19.218	18.49	81.7	55.57	82.0	.0153	.8503	19.35·5	R	3 12 „

On the 14th, at about 19h. 30m., Dip as obtained by Observation was 19°08'8.
On the 15th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 18TH TO 20TH JULY 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
JULY 18TH-Noon.	20·659	17.86	81°8	55.82	82°2	8.0049	2.8530	19°38·9	R	4 12 p. m.
1	21.826	17.56	81.7	55.91	82.0	.0000	.8541	19.39.0	L	5 12 ,,
2	23.540	17.23	81.2	56.05	81·8	7.9946	.8555	19.40.2	L	6 12 ,,
3	23.060	17.18	81.3	55.94	81.9	.9937	.8543	19.39.9	L	7 12 ,,
4	22.923	18.01	81.2	55.85	82.0	8.0074	.8534	19.37.8	L	8 12 ,,
5	21.688	17.73	81.3	55.78	82.0	.0028	.8526	19.38.0	C	9 12 ,,
6	21.345	17.99	81.5	55.93	82.0	.0070	.8542	19.38.1	C	10 12 ,,
7	20.728	17.98	81.2	55.94	81.9	.0068	.8543	19.38.2	C	11 12 ,,
8	20.933	18.23	81.5	55.91	82.0	.0110	.8540	19.37.6	C	Midnight.
9	20.865	18.24	81.7	55.85	82.0	.0112	.8534	19.37.3	R	1 12 a. m.
10	20.590	18.29	81.3	56.18	82.0	.0120	.8570	19.38.5	R	2 12 ,,
11	20.459	18.44	81.1	56.17	81·7	·0145	.8569	19 38.0	R	3 12 ,,
12	21.551	18.57	81.0	56.32	81.4	.0166	.8585	19.38.5	R	4 12 ,,
13	22.512	18.59	80.8	56.36	81.3	.0169	.8590	19.38.7	L	5 12 ,,
14	24.021	18.62	80.4	56.53	81.4	.0182	.8608	19.39.3	L	6 12 ,,
15	23.060	18.94	80.4	56.45	80·9	.0226	.8600	19.38.3	L	7 12 ,,
16	22.991	18.80	80.0	56.26	80.6	.0203	.8579	19.37.8	L	8 12 ,,
17	23.335	18.71	79.5	56.10	80.1	.0189	.8561	19.37.2	C	9 12 ,,
18	22.305	18.99	79.7	55.91	80.0	.0234	.8540	19.36.0	C	10 12 ,,
19	20.796	19.10	79.8	55.87	80.0	.0252	.8536	19.35.5	C	11 12 ,,
20	20.247	18.88	79.7	55.84	80.0	.0216	.8532	19.35.7	C	Noon.
21	19.630	18.99	80.3	55.83	80.5	.0234	.8531	19.35.6	R	1 12 p. m.
22	19.493	19.04	81.7	55.87	81.7	.0243	.8536	19.35.7	R	2 12 ,,
23	19.904	18.74	81.2	55.97	81.5	.0194	.8547	19.36.8	R	3 12 ,,
JULY 19TH-Noon.	21.482	18.45	80.8	56.22	81.3	.0146	.8574	19.38.2	R	4 12 ,,
1	22.168	18.36	80.3	56.25	81.0	.0131	.8578	19.38.7	L	5 12 ,,
2	22.854	18.46	80.4	56.15	81.0	.0148	.8567	19.38.0	L	6 12 ,,
3	21.208	18.43	80.0	55.97	80.7	.0143	.8547	19.37.5	L	7 12 ,,
4	20.659	18.59	79.6	56.01	80.3	.0169	.8551	19.37.2	L	8 12 ,,
5	20.590	18.66	79.6	56.21	80.2	.0180	.8573	19.37.9	C	9 12 ,,
6	20.865	18.90	79.7	56.16	80.0	.0219	.8568	19.37.1	C	10 12 ,,
7	20.865	18.94	80.0	56.18	80.2	.0226	.8570	19.37.1	C	11 12 ,,
8	20.933	18.88	80.0	56.17	80.2	.0216	.8569	19.37.1	C	Midnight.
9	21.865	18.92	80.0	56.19	80.4	.0222	.8571	19.37.2	R	1 12 a. m.
10	21.139	18.91	80.0	56.21	80·4	.0221	.8573	19.37.3	R	2 12 ,,
11	21.895	18.96	80.1	56.33	80.3	.0229	.8586	19.37.7	R	3 12 ,,
12	21.895	19.00	80.1	56.23	80·2	.0236	.8575	19.37.2	R	4 12 ,,
13	22.305	19.04	79.0	56.68	80·0	.0243	.8625	19.37.2	L	5 12 ,,
14	24.707	19.25	79.0	56.89	79.7	.0277	.8648	19.39.5	L	6 12 ,,
15	25.189	19.47	79.6	56.62	79.9	.0314	.8618	19.38.0	L	7 12 ,,
16	24.432	19.64	80.0	56.24	80.1	.0341	.8576	19.35.9	L	8 12 ,,
17	22.581	19.83	80.7	55.90	80.4	.0372	.8539	19.34.1	C	9 12 ,,
18	21.688	20.15	80.4	55.88	80.3	.0424	.8537	19.33.4	C	10 12 ,,
19	21.071	20.10	80.4	55.80	80.4	.0416	.8523	19.33.0	C	11 12 ,,
20	20.385	20.29	80.8	55·76	80.9	.0448	.8524	19.32.4	C	Noon.
21	19.767	20.20	81.0	55.66	81.1	.0436	.8513	19.32.2	R	1 12 p. m.
22	21.002	20.15	81.6	55.93	81.9	.0424	.8542	19.33.5	R	2 12 ,,
23	21.345	19.81	80.8	55.95	81.3	.0369	.8545	19.34.4	R	3 12 ,,
JULY 20TH-Noon.	21.415	19.72	81.8	56.09	81.7	.0354	.8560	19.35.1	R	4 12 ,,
1	21.895	19.49	81.5	56.05	81.5	.0317	.8556	19.35.4	L	5 12 ,,
2	21.895	19.29	81.5	55.87	81·5	.0284	.8536	19.35.2	L	6 12 ,,
3	21.071	19.29	81.3	55.77	81.7	.0284	.8525	19.34.8	L	7 12 ,,
4	20.453	19.12	80.8	55.93	81.6	.0255	.8542	19.35.6	L	8 12 ,,
5	20.659	19.18	81.2	56.05	81.6	.0265	.8556	19.36.1	C	9 12 ,,
6	20.933	19.12	81.2	56.07	81.8	.0255	.8558	19.36.3	C	10 12 ,,
7	20.865	19.18	81.2	56.00	82·0	.0265	.8550	19.35.9	C	11 12 ,,
8	21.002	19.21	81.4	55.96	82.0	.0271	.8546	19.35.7	C	Midnight.
9	21.139	19.19	81.3	55.96	82.0	.0267	.8546	19.35.7	R	1 12 a. m.
10	21.208	19.15	81.3	55.94	82.0	.0260	.8543	19.35.7	R	2 12 ,,
11	21.345	19.19	81.5	55.91	82.0	.0267	.8540	19.35.5	R	3 12 ,,

On the 18th, at about 19h. 45m., Dip as obtained by Observation was 19°07'5.

DAILY OBSERVATIONS FROM 20TH TO 22ND JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
JULY 20TH—12	21'551	19.23	81°6	55.91	82°1	8.0274	2.8540	19°35'5	R	4 12 a. m.
13	21.963	19.22	81.5	55.94	82.2	.0272	.8543	19.35.6	L	5 12 „
14	23.473	19.17	81.0	56.17	82.0	.0264	.8569	19.36.6	L	6 12 „
15	24.363	19.31	81.2	56.11	82.0	.0287	.8562	19.35.9	L	7 12 „
16	23.884	19.67	81.8	55.75	82.3	.0346	.8523	19.33.7	L	8 12 „
17	23.060	20.11	82.4	55.44	82.5	.0418	.8488	19.31.4	C	9 12 „
18	21.826	20.34	82.9	55.29	83.0	.0456	.8472	19.30.2	C	10 12 „
19	20.522	20.38	83.0	55.30	83.0	.0462	.8473	19.30.3	C	11 12 „
20	19.356	20.42	83.1	55.29	83.0	.0469	.8472	19.30.1	C	Noon.
21	18.875	20.24	82.8	55.31	83.0	.0440	.8474	19.30.6	R	1 12 p. m.
22	19.699	20.00	82.8	55.50	83.2	.0400	.8495	19.32.0	R	2 12 „
23	21.002	19.58	82.5	55.54	83.0	.0331	.8499	19.33.0	R	3 12 „
JULY 21ST—Noon.	21.415	19.33	82.3	55.54	82.7	.0290	.8499	19.33.5	L	4 12 „
1	21.758	19.14	81.5	55.44	82.1	.0259	.8488	19.33.5	C	5 12 „
2	21.415	19.18	81.0	55.51	81.8	.0265	.8496	19.33.7	C	6 12 „
3	21.208	19.18	81.3	55.66	82.0	.0265	.8513	19.34.4	R	7 12 „
4	20.933	19.13	81.0	55.70	81.7	.0257	.8517	19.34.7	R	8 12 „
5	20.933	19.10	80.7	55.72	81.3	.0252	.8519	19.34.8	L	9 12 „
6	21·002	19.16	80.5	55.85	81.0	.0262	.8534	19.35.3	L	10 12 „
7	21.276	19.09	80.1	55.97	80.6	.0251	.8547	19.36.0	C	11 12 „
8	21.071	19.21	80.0	56.03	80 5	.0271	.8553	19.36.0	C	Midnight.
9	21.415	19.22	79.9	56.03	80.3	.0272	.8553	19.36.0	R	1 12 a. m.
10	21.002	19.29	80.1	56.02	80.5	.0284	.8552	19.35.8	R	2 12 „
11	21.002	19.28	80.2	56.03	80.7	.0282	.8553	19.35.9	R	3 12 „
12	21.071	19.29	80.2	56.13	81.0	.0284	.8564	19.36.2	R	4 12 „
13	21.619	19.27	80.8	56.03	81.0	.0281	.8553	19.35.9	L	5 12 „
14	22.854	19.30	80.7	56.18	81.1	.0285	.8570	19.36.3	L	6 12 „
15	23.677	19.43	80.9	56.14	81.2	.0307	.8565	19.35.9	L	7 12 „
16	23.677	19.61	81.0	56.00	81.4	.0326	.8550	19.35.0	L	8 12 „
17	22.718	19.93	81.2	56.67	81.6	.0388	.8514	19.32.8	C	9 12 „
18	21.963	20.12	81.2	56.45	81.6	.0419	.8490	19.31.5	C	10 12 „
19	21·139	20.28	81.6	56.44	81.7	.0446	.8488	19.31.0	C	11 12 „
20	20.247	20.26	82.0	56.33	82·0	.0443	.8476	19.30.7	C	Noon.
21	18.601	20.28	82.1	56.11	82.7	.0446	.8452	19.29.6	R	1 12 p. m.
22	18.121	20.19	82.0	56.38	82.7	.0431	.8482	19.31.0	R	2 12 „
23	18.875	19.93	81.9	56.68	82.6	.0388	.8515	19.32.9	R	3 12 „
JULY 22ND—Noon.	21·002	19.56	81.8	55.74	82.5	.0328	.8521	19.33.9	R	4 12 „
1	20.728	19.43	81.4	55.54	81.9	.0307	.8499	19.33.3	L	5 12 „
2	21.415	19.38	81.3	55.61	81.9	.0298	.8527	19.34.6	L	6 12 „
3	20.865	19.29	81.3	55.56	81.9	.0284	.8502	19.33.8	L	7 12 „
4	20.933	19.13	81.0	55.65	81.5	.0257	.8532	19.35.2	L	8 12 „
5	20.728	19.14	81.0	55.70	81.6	.0259	.8518	19.34.7	C	9 12 „
6	20.865	19.22	80.9	55.74	81.4	.0272	.8521	19.34.7	C	10 12 „
7	21.276	19.29	80.9	55.76	81.2	.0284	.8524	19.34.7	C	11 12 „
8	21.002	19.34	81.0	55.76	81.4	.0292	.8524	19.34.5	C	Midnight.
9	20.865	19.28	81.0	55.71	81.5	.0282	.8518	19.34.5	R	1 12 a. m.
10	21.071	19.27	80.9	55.74	81.3	.0281	.8521	19.34.6	R	2 12 „
11	21.002	19.31	80.6	55.79	81.2	.0287	.8527	19.34.7	R	3 12 „
12	21.208	19.36	80.8	55.82	81.3	.0295	.8530	19.34.7	R	4 12 „
13	21.758	19.35	80.8	56.26	81.4	.0293	.8579	19.36.6	L	5 12 „
14	23.335	19.38	80.9	56.49	81.4	.0298	.8604	19.37.5	L	6 12 „
15	24.432	19.51	81.0	56.42	81.4	.0320	.8596	19.36.9	L	7 12 „
16	24.846	19.78	81.0	56.18	81.4	.0364	.8570	19.35.4	L	8 12 „
17	24.159	20.23	81.0	55.76	81.4	.0438	.8524	19.32.6	C	9 12 „
18	22.649	20.83	81.9	55·36	82.1	.0536	.8480	19.29.6	C	10 12 „
19	20.865	20.70	81.0	55.36	81.4	.0515	.8480	19.29.8	C	11 12 „
20	19.218	206.5	80·8	55.28	80.9	.0506	.8471	19.29.6	C	Noon.
21	18.052	20.18	80.7	55.53	81.0	.0429	.8498	19.31.7	R	1 12 p. m.
22	18.052	19.77	81.2	55.85	81.6	.0363	.8534	19.34.0	R	2 12 „
23	20.110	19.03	81.1	56.05	81.5	.0241	.8556	19.36.5	R	3 12 „

On the 21st, at about 19h. 30m., Dip as obtained by Observation was 19°09'4.

DAILY OBSERVATIONS FROM 24TH TO 26TH JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
July 24th-Noon.	20·042	19.59	83°0	55.56	83°8	8.0333	2.8502	19°33′1	B	4 12 p. m.
1	21·002	19.36	82.9	55.61	83.7	.0295	.8507	19.33.8	B	5 12 ,,
2	21.415	19.24	82.3	55.40	83.3	.0276	.8484	19.33.1	B	6 12 ,,
3	21.002	19.15	82.0	55.37	82·9	.0260	.8481	19.33.2	B	7 12 ,,
4	20·659	19·14	81·6	55·53	82.5	.0259	.8498	19.33·9	B	8 12 ,,
5	20.522	19.22	81·7	55.63	82.5	.0272	.8509	19.34.2	B	9 12 ,,
6	20.659	19.21	81·7	55.63	82·2	.0271	.8509	19.34.2	C	10 12 ,,
7	20·796	19.17	81.5	55.66	82.1	.0264	.8513	19.34.5	C	11 12 ,,
8	20.865	19.15	81.3	55.78	82.0	.0260	.8526	19·35.0	C	Midnight.
9	20.933	19.21	81.2	55.98	81.9	.0271	.8548	19.35.8	R	1 12 a. m.
10	21·139	19.20	81.1	56.05	81.8	.0269	.8556	19.36.1	R	2 12 ,,
11	21.139	19.24	81.1	55.93	81.8	.0276	.8542	19.35.4	R	3 12 ,,
12	21.415	19.25	81·1	55.95	81·8	.0277	.8545	19.35.6	R	4 12 ,,
13	22.101	19·32	81.0	56.03	81·7	.0288	.8564	19.36.0	L	5 12 ,,
14	23.953	19·45	80·9	56.29	81.3	.0310	.8582	19.36.5	L	6 12 ,,
15	25.051	19.80	81.1	56·19	81·3	.0367	.8571	19.35.3	L	7 12 ,,
16	24·707	20.44	81.2	55.99	81·4	.0476	.8549	19.33.1	L	8 12 ,,
17	23.267	20.74	81·9	55·44	82·0	.0522	.8488	19.30.1	C	9 12 ,,
18	22.032	20.90	82.8	55.08	82·6	.0547	.8449	19.28.2	C	10 12 ,,
19	19.699	20.68	83.6	55.09	83.0	.0511	.8450	19.28·9	C	11 12 ,,
20	19.767	20.43	84.0	55·23	83·6	.0471	.8465	19.29.9	C	Noon.
21	20.110	20.29	84.5	55.33	84·3	.0448	.8476	19.30.5	R	1 12 p. m.
22	21.276	20.13	84.7	55·35	85.0	.0421	.8479	19.31.0	R	2 12 ,,
23	21.619	20.07	84.8	55.10	85.0	.0412	.8451	19.30.2	R	3 12 ,,
July 25th-Noon.	21.345	19.85	84.7	55.00	85.1	.0375	.8440	19.30.2	R	4 12 ,,
1	21.071	19.66	84.0	55.08	84.4	.0344	.8449	19.31.0	L	5 12 ,,
2	20.933	19.60	83·4	54.92	84.0	.0334	.8431	19.30·4	L	6 12 ,,
3	20·453	19.51	82.9	55.01	83.5	.0320	.8441	19.30.9	L	7 12 ,,
4	20.110	19.47	82.6	55·20	83.2	.0314	.8462	19.31.8	L	8 12 ,,
5	20.522	19·45	82.5	55·34	83.1	.0310	.8477	19.32.5	C	9 12 ,,
6	20·796	19.38	82.1	55.43	82.9	.0298	.8487	19.33.0	C	10 12 ,,
7	20.796	19.39	82.0	55·46	82·6	.0300	.8491	19.33·0	C	11 12 ,,
8	20·933	19.37	82·0	55.53	82.5	.0297	.8493	19.33.4	C	Midnight.
9	21.071	19.37	81.9	55·49	82·4	.0297	.8498	19.33.2	R	1 12 a. m.
10	20·933	19.36	81·8	55.59	82·3	.0295	.8505	19.33.7	R	2 12 ,,
11	21·415	19.48	81.7	55·65	82.0	.0315	.8511	19.33.6	R	3 12 ,,
12	21.415	19.40	81·5	55.76	82.0	.0302	.8524	19.34.4	R	4 12 ,,
13	22.101	19.39	80.9	55.93	81.6	.0300	.8542	19·35.1	L	5 12 ,,
14	23.677	19.41	81.0	56.19	81.2	.0304	.8571	19.36.2	L	6 12 ,,
15	23·540	19.61	80.9	56.01	81·0	.0336	.8551	19.35.0	L	7 12 ,,
16	23·473	19.92	80.7	56·03	81.0	.0385	.8553	19.34.4	L	8 12 ,,
17	23·130	20.51	81.7	55.68	81.9	.0484	.8515	19.31.8	C	9 12 ,,
18	21·688	20.66	80.6	55·43	81·0	.0508	.8487	19.30.3	C	10 12 ,,
19	19·904	20·74	80.7	55·43	81.0	·0522	.8520	19·31.4	C	11 12 ,,
20	19·424	20.88	81.0	55·71	80·9	.0544	.8518	19.31.1	C	Noon.
21	19.356	21.02	82.0	55.77	81.8	.0567	.8525	19.31.0	R	1 12 p. m.
22	20.316	20.76	82.9	55.88	82.5	.0525	.8537	19.32.0	R	2 12 ,,
23	21.002	20.05	81.8	55.83	81.0	.0408	.8531	19.33.3	R	3 12 ,,
July 26th-Noon.	21.139	19.48	81·9	55·91	82·0	.0315	.8540	19.34.8	C	4 12 ,,
1	21.963	19.57	81.8	55.96	82.0	.0330	.8546	19.34.9	L	5 12 ,,
2	22.101	19.38	81.6	55.94	81·9	.0298	.8543	19.35.2	L	6 12 ,,
3	21.139	19.23	81.4	55.76	81.9	.0274	.8524	19.34.8	L	7 12 ,,
4	20.659	19.13	81.3	55·81	81.9	.0257	.8529	19.35.1	L	8 12 ,,
5	20.659	19.03	81·3	55·91	81.9	.0241	.8540	19.35.9	C	9 12 ,,
6	20.796	19·23	81.3	56.01	82.0	.0274	.8551	19.35.9	C	10 12 ,,
7	21·345	19.31	81·3	55·98	81.9	.0287	.8548	19.35.5	C	11 12 ,,
8	21.345	19.27	81.2	56.01	81.9	.0281	.8551	19.35.8	C	Midnight.
9	21.551	19.31	81.2	56.06	81.9	.0287	·8557	19.35.9	R	1 12 a. m.
10	21.482	19.27	81.1	56.07	81.8	·0281	.8558	19.36.1	R	2 12 ,,
11	21·071	19.36	81.0	56.09	81.7	.0279	.8560	19.36.1	R	3 12 ,,

DAILY OBSERVATIONS, FROM 26TH TO 29TH JULY 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
July 26th—12	21·208	19.29	81·1	56.19	81·7	8.0284	2.8571	19°36′5	R	4 12 a. m.
13	21.619	19.32	81.1	56.25	81·5	.0288	·8578	19·36.6	L	5 12 ,,
14	22·991	19.39	80.5	56.83	80.9	.0300	·8641	19.39.0	L	6 12 ,,
15	23.267	19.61	80.0	56·82	80.3	.0336	·8640	19.38.5	L	7 12 ,,
16	23.131	19.78	80.0	56.78	80.1	.0364	·8636	19.38.0	L	8 12 ,,
17	22.168	20.28	80.8	56.70	80.6	.0446	.8627	19.36.5	C	9 12 ,,
18	21.071	20.63	81.0	56.40	80.9	·0503	·8594	19.34.5	C	10 12 ,,
19	19.493	20.65	82.0	56.22	82.0	.0506	.8574	19.33.6	C	11 12 ,,
20	18.944	20.62	82.4	56.37	82.3	.0501	.8591	19.34.4	C	Noon.
21	19.021	20.35	82.1	56.37	82.2	.0457	.8591	19.34.9	R	1 12 p. m.
22	19.699	20.25	82.0	56.45	82.3	·0441	.8600	19.35.6	R	2 12 ,,
23	20.247	20.03	82.1	56.42	82.3	.0405	·8596	19.35.9	R	3 12 ,,
July 28th–Noon.	21.758	20.13	83.0	55.78	83.3	.0421	.8526	19.32.9	C	4 12 ,,
1	21.071	19.97	82.7	55.70	83.2	.0395	.8517	19·32.9	L	5 12 ,,
2	20.522	19.89	82.1	55.63	82·8	.0382	·8509	19.32.8	L	6 12 ,,
3	19.767	19.77	81.8	55.78	82.5	·0363	.8526	19·33·7	L	7 12 ,,
4	19.561	19.73	81.7	55.92	82.4	·0356	·8541	19·34.3	L	8 12 ,,
5	20.179	19.63	81.4	56.06	82.1	.0339	.8557	19·35.3	L	9 12 ,,
6	20.385	19.58	81.2	56.11	82.0	·0331	.8562	19·35.4	C	10 12 ,,
7	20.728	19.62	81.2	56.22	82.0	.0337	·8574	19·35·8	C	11 12 ,,
8	21.071	19.58	81.3	56.28	82.0	·0331	.8581	19.36.2	C	Midnight.
9	21.276	19.51	81.2	56.34	82.0	.0320	.8587	19·36.6	R	1 12 a. m.
10	21.551	19·55	81.3	56.42	82.0	.0326	.8596	19.36.8	R	2 12 ,,
11	21.551	19.48	80·9	56.39	81.8	.0315	.8593	19·36·8	R	3 12 ,,
12	21.415	19.51	80.9	56.43	81.6	·0320	.8597	19.37·0	R	4 12 ,,
13	22.649	19.72	80.6	56.69	81.3	·0354	·8626	19.37·7	L	5 12 ,,
14	24.159	19.82	80.6	56.75	81.0	·0370	.8633	19.37.8	L	6 12 ,,
15	24.295	20.48	80.7	56.51	81.1	·0479	.8606	19.35.3	L	7 12 ,,
16	23.198	20.50	81.1	56.23	81·1	.0482	·8575	19·34.2	C	8 12 ,,
17	21.619	20.55	81.9	56.08	81.9	·0490	.8559	19.33·3	C	9 12 ,,
18	20.796	20.25	82.9	56.12	82.4	·0441	.8563	19.34·1	C	10 12 ,,
19	19.836	20.37	83.1	55.94	83.0	·0461	·8543	19.33·1	C	11 12 ,,
20	18.944	20.55	83.9	55.67	83.3	.0490	.8514	19·31·5	C	Noon.
21	19.081	20.10	84.1	55.87	83.9	.0416	.8536	19·33.3	R	1 12 p. m.
22	19.836	20.01	84.3	55.84	84·0	.0402	·8532	19·33.4	R	2 12 ,,
23	20.865	19.66	84.4	55.82	84.5	.0344	.8530	19·34·2	R	3 12 ,,
July 29th–Noon.	21.002	19.52	84.0	55.64	84.6	.0321	.8510	19.33.6	R	4 12 ,,
1	20.865	19.40	83.4	55.51	83.7	.0302	·8496	19.33·3	L	5 12 ,,
2	20.453	19.54	83.0	55.50	83.4	.0325	·8495	19·32·9	L	6 12 ,,
3	20.453	19.44	82.4	55.68	82.8	.0309	·8515	19.34·0	L	7 12 ,,
4	20·316	19.37	82.3	55.80	82.6	.0297	.8528	19.34·6	L	8 12 ,,
5	21.071	19.25	82.0	55.92	82.4	.0277	.8541	19.35.4	C	9 12 ,,
6	20.933	19.24	82.0	56.05	82.4	.0276	.8556	19·36.0	C	10 12 ,,
7	21.071	19.22	81.9	56.07	82.2	.0272	.8558	19·36.2	C	11 12 ,,
8	21.208	19.30	81.9	56.27	82.2	.0285	.8580	19.36.7	C	Midnight.
9	21.415	19.31	81.0	56.28	82.0	.0287	.8581	19.36.7	R	1 12 a. m.
10	21.139	19.43	81.0	56.33	81.7	·0307	.8586	19.36.7	R	2 12 ,,
11	21.551	19.36	80.9	56.33	81.4	.0295	.8586	19.36·8	R	3 12 ,,
12	21.551	19.33	80.8	56.43	81.2	·0290	.8597	19·37·4	R	4 12 ,,
13	22.444	19.47	80.9	56.59	81.4	.0314	·8615	19·37·9	L	5 12 ,,
14	24.021	19.58	81.0	56.79	81.4	.0331	.8637	19·38.5	L	6 12 ,,
15	24.090	19.61	81.1	56.48	81.4	·0336	.8603	19.37.0	L	7 12 ,,
16	22.581	19.87	81.6	56.05	81.5	.0379	·8556	19.34·7	L	8 12 ,,
17	20.659	20.29	81.9	55·65	81.9	·0443	·8512	19·31.9	C	9 12 ,,
18	19.767	20.27	81.8	55.54	81.9	.0445	·8499	19·31.4	C	10 12 ,,
19	18.327	19.99	81.5	55.73	81·3	.0398	.8520	19.33.0	C	11 12 ,,
20	17.709	20.25	82.0	55.96	81.6	·0441	.8546	19.33.5	C	Noon.
21	19.013	19.83	82.3	55.92	82.3	.0372	.8541	19.34.2	R	1 12 p. m.
22	19.973	19.54	82.1	56.41	82.1	.0325	·8595	19·36.7	R	2 12 ,,
23	20·522	19·54	82.2	56.42	82.2	·0325	.8596	19·36.8	R	3 12 ,,

On the 28th, at about 19h. 15m., Dip as obtained by Observation was 19°12′2.

DAILY OBSERVATIONS FROM 31ST JULY TO 2ND AUGUST 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
July 31st-Noon.	20°659	19.99	82°9	56.66	83°8	8.0398	2.8623	19°36'0	R	4 12 p. m.
1	21.482	19.71	82.3	56.69	83.0	.0353	.8626	19.37.7	R	5 12 ,,
2	21.688	19.60	82·0	56.49	82.9	.0334	.8604	19.37.1	R	6 12 ,,
3	20.933	19.54	81.8	56.43	82.4	.0325	.8597	19.36.9	R	7 12 ,,
4	20.453	19.63	81.7	56.57	82.1	.0339	.8613	19.37.4	R	8 12 ,,
5	21.002	19.37	81.5	56.68	81.9	.0297	.8625	19.38.4	L	9 12 ,,
6	21.345	19.34	81.3	56·85	81.7	.0292	.8644	19.39.2	B	10 12 ,,
7	21.482	19.38	81.3	56.85	81.7	.0298	.8644	19.39.1	B	11 12 ,,
8	21.619	19.37	81.3	56.85	81.7	.0297	.8644	19.39.1	B	Midnight.
9	21.688	19.42	81.2	56.89	81.7	.0305	.8648	19.39.2	C	1 12 a. m.
10	21.758	19.44	81.1	56.92	81.6	.0309	.8651	19.39.3	C	2 12 ,,
11	21.482	19.45	81.0	56.91	81.5	.0310	.8650	19.39.3	C	3 12 ,,
12	21.415	19.50	81.1	56.94	81.4	.0318	.8653	19.39·2	C	4 12 ,,
13	21.963	19.56	81.2	57.13	81.6	.0328	.8674	19.39.8	R	5 12 ,,
14	23.473	19.55	81.2	57.14	81.6	.0326	.8675	19.39.9	R	6 12 ,,
15	23.540	19.63	81.3	56.96	81.9	.0339	.8655	19.39.1	R	7 12 ,,
16	23.540	19.85	81.7	56.86	82.0	.0375	.8645	19.38.2	R	8 12 ,,
17	22.374	20.13	81.9	56.44	82.0	.0421	.8598	19.35.7	L	9 12 ,,
18	20.659	20.57	82.6	56.22	82.4	.0494	.8574	19.33.8	L	10 12 ,,
19	19.699	20.74	83.1	56·06	82.7	.0522	.8557	19.32·9	L	11 12 ,,
20	18.532	20·66	83.0	55.84	83.0	.0508	.8532	19.22.0	L	Noon.
21	18.052	20.53	82.4	55.99	82.9	.0487	.8549	19.32.9	C	1 12 p. m.
22	18.327	20.40	82.4	56.21	82.9	.0466	.8573	19.34.1	C	2 12 ,,
23	19.287	20.16	82.5	56.33	82.8	.0426	.8586	19.35.1	C	3 12 ,,
Aug. 1st-Noon.	20.316	19.93	82.5	56.44	82.6	.0388	.8598	19.36.1	C	4 12 ,,
1	21.071	19.74	82.2	56.44	82.7	.0358	.8598	19.36.5	R	5 12 ,,
2	21.758	19.72	82·0	56.47	82.3	.0354	.8602	19.36.7	R	6 12 ,,
3	21.139	19.58	81.9	56.52	82.2	.0331	.8607	19.37.3	R	7 12 ,,
4	20.933	19.52	81.8	56.64	82.1	.0321	.8620	19.37.9	R	8 12 ,,
5	20.933	19.51	81.6	56.61	82·0	.0320	.8617	19.37.8	L	9 12 ,,
6	21.071	19.51	81.6	56.66	82.0	.0320	.8623	19.38.0	L	10 12 ,,
7	21.276	19.48	81.5	56.71	82.0	.0315	.8628	19.38.2	L	11 12 ,,
8	21.345	19.51	81.5	56.76	82.0	.0320	.8634	19.38.4	L	Midnight.
9	21.415	19.49	81.4	56.82	81.9	.0317	.8640	19.38.7	C	1 12 a. m.
10	21.345	19.49	81.1	56.84	81.6	.0317	.8642	19.38.7	C	2 12 ,,
11	21.345	19.50	81.0	56.79	81.4	.0318	.8637	19.38.6	C	3 12 ,,
12	21.208	19.56	81.0	56.80	81.4	.0328	.8638	19.38.5	C	4 12 ,,
13	21.619	19.54	81.0	56.97	81.2	.0325	.8657	19.39.3	R	5 12 ,,
14	23.404	19.77	80.8	57.17	81.3	.0363	.8679	19.39.6	R	6 12 ,,
15	23.677	19.80	81.0	57.80	81·3	.0367	.8748	19.42.3	R	7 12 ,,
16	24.159	20.13	81.6	57.75	81.7	.0421	.8743	19.41.4	R	8 12 ,,
17	23.473	20.51	82.0	57.44	81.9	.0484	.8708	19.39.3	L	9 12 ,,
18	21.345	20.85	82.5	57.04	82.1	.0539	.8664	19.36.7	L	10 12 ,,
19	19.013	20.79	81.6	56.80	81.8	.0530	.8638	19.35.9	L	11 12 ,,
20	18.327	20.74	81.6	57.00	81.8	.0522	.8660	19.36.8	L	Noon.
21	17.846	20.54	81.5	57.20	81.8	.0489	.8682	19.37.0	C	1 12 p. m.
22	17.984	20.35	81.9	57.35	82.0	.0457	.8699	19.38.1	C	2 12 ,,
23	19.561	20.07	82.0	57.51	82.0	.0412	.8716	19.40.5	C	3 12 ,,
Aug. 2nd-Noon.	21.002	19.88	81.6	57.57	81.9	.0380	.8723	19.42.2	C	4 12 ,,
1	21.415	19.81	81.4	57.51	82.0	.0369	.8716	19.41.1	R	5 12 ,,
2	21.002	19.77	81.1	57.37	81.9	.0363	.8701	19.40.5	R	6 12 ,,
3	20.659	19.66	81.0	57.45	81.8	.0344	.8710	19.41.2	R	7 12 ,,
4	20.728	19.63	81.0	57.55	81.8	.0339	.8721	19.41.6	R	8 12 ,,
5	20.728	19.61	81.0	57.32	81.4	.0336	.8695	19.40.6	L	9 12 ,,
6	21.002	19.56	80·5	57.51	81.0	.0328	.8716	19.41.5	L	10 12 ,,
7	21.139	19.68	80.6	57.53	81.0	.0347	.8718	19.41.3	L	11 12 ,,
8	21.415	19.66	80.6	57.53	81.0	.0344	.8718	19.41.5	L	Midnight.
9	21.482	19.63	80.7	57.53	81.0	.0339	.8718	19.41.5	C	1 12 a. m.
10	21.551	19.62	80.7	57.53	81.0	.0337	.8718	19.41.5	C	2 12 ,,
11	21.551	19.61	80.7	57.49	81.0	.0336	.8714	19.31.3	C	3 12 ,,

On the 1st, at about 19h., Dip as obtained by Observation was 19°00'9.

DAILY OBSERVATIONS FROM 2ND TO 4TH AUGUST 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Aug. 2nd—12	21·619	19.57	80°8	57.39	81°0	8·0330	2.8703	19°41'0	C	4 12 a. m.
13	21.758	19·61	80.9	57.43	81.1	.0336	.8707	19.41·1	R	5 12 ,,
14	22.649	19.67	81.0	57.61	81.1	·0346	·8727	19.41·7	R	6 12 ,,
15	22.991	19.69	81.1	57.91	81.3	.0349	.8760	19.42·9	R	7 12 ,,
16	22·923	19.73	81.6	57.73	81·7	.0356	.8740	19.42.1	R	8 12 ,,
17	21.071	20.30	82.3	57.41	81.9	.0449	.8705	19.39.5	L	9 12 ,,
18	19.904	20·74	83.5	57.18	82.5	.0522	.8680	19.37·6	L	10 12 ,,
19	19.150	20.89	83.8	57.08	83·2	.0546	.8669	19.36.7	L	11 12 ,,
20	19.424	21.01	83.4	56.98	83·2	.0566	.8658	19.36.2	L	Noon.
21	19·150	21.00	84.0	56.89	83.9	.0564	.8626	19.35.0	C	1 12 p. m
22	19.287	20.78	83.8	56.77	84.0	.0528	.8635	19.35.8	C	2 12 ,,
23	20.659	20.57	83.5	56.96	83.8	.0494	.8656	19·37.1	C	3 12 ,,
Aug. 3rd-Noon.	22.237	20.25	83·5	57.02	83.9	·0441	.8662	19.37.9	C	4 12 ,,
1	22.374	20.08	83.2	56.97	84.0	.0413	.8657	19.38.3	R	5 12 ,,
2	21.688	19.81	82.5	56.84	83.1	.0369	.8642	19.38.1	R	6 12 ,,
3	20·728	19.73	82.1	56.89	83.0	.0356	.8648	19.38.5	R	7 12 ,,
4	20.796	19·70	81.9	56.97	82.8	.0351	.8657	19.39.0	R	8 12 ,,
5	20.933	19.63	81.7	57.09	82·2	.0339	.8670	19.39.6	L	9 12 ,,
6	21.002	19.70	81.4	57.16	82.1	.0351	.8678	19.39.7	L	10 12 ,,
7	21.276	19.65	81.3	57.04	82.1	.0342	.8664	19.39.3	L	11 12 ,,
8	21.276	19·61	81·3	57.06	81.9	.0336	.8667	19.39.5	L	Midnight.
9	21.415	19.63	81.3	57.11	81.9	.0339	.8672	19.39.6	C	1 12 a. m.
10	21.551	19.54	81·0	57.14	81.8	.0325	.8675	19.39.9	C	2 12 ,,
11	21·482	19.62	81.0	57.21	81.5	.0337	.8683	19.40.1	C	3 12 ,,
12	21.415	19.64	80.9	57.25	81.3	.0341	.8601	19.40·3	C	4 12 ,,
13	21.688	19.68	81.0	57.37	81.5	.0347	.8711	19.40.6	R	5 12 ,,
14	22·787	19·75	81.1	57.46	81.4	.0359	.8707	19.40.9	R	6 12 ,,
15	22.854	19.78	81.1	57.43	81.7	.0364	.8799	19.40.8	R	7 12 ,,
16	22.991	20.18	81.7	57.35	81.9	.0429	.8671	19.39.5	R	8 12 ,,
17	22.649	20.53	81.9	57.10	81·8	.0488	.8624	19.37.6	L	9 12 ,,
18	20.453	21.06	82.6	56.67	82.4	.0574	·8587	19.34.8	L	10 12 ,,
19	18.944	21.32	83.4	56.34	83.0	.0616	.8579	19.32.7	L	11 12 ,,
20	18.532	21.46	84.2	56.26	83.6	.0640	.8579	19.32.1	L	Noon.
21	18·327	21.27	84.7	56.29	84.0	.0609	·8582	19.32.6	C	1 12 p. m.
22	18.670	20.98	85.0	56.39	84.8	.0560	.8593	19.33.7	C	2 12 ,,
23	19.699	20.42	84.0	56.47	84.1	.0469	.8602	19.35.2	C	3 12 ,,
Aug. 4th-Noon.	20·385	20.19	83.0	56.60	84.0	.0431	.8616	19.36.3	C	4 12 ,,
1	20.865	20·06	83.1	56.66	84.0	.0410	.8623	19.36.9	R	5 12 ,,
2	21.071	19.94	82.6	56.59	83.0	.0390	·8615	19.36.8	R	6 12 ,,
3	20.659	19.74	82.1	56·68	82.5	.0358	.8625	19.37.6	R	7 12 ,,
4	20.728	19.74	81.9	56.78	82.0	.0358	.8636	19.38.0	R	8 12 ,,
5	20·865	19·69	81.6	56.96	82.0	·0349	.8656	19.38.9	L	9 12 ,,
6	20.865	19.72	81.6	57.06	82.0	.0354	.8667	19.39.2	L	10 12 ,,
7	21.139	19.68	81.4	57.11	82.0	.0347	.8672	19.39.4	L	11 12 ,,
8	21.208	19.72	81.4	57.11	82.0	.0354	·8672	19.39.4	L	Midnight.
9	21.415	19.66	81.3	57.24	82.0	.0344	.8686	19.40·2	C	1 12 a. m.
10	21.482	19.69	81.3	57.26	81.9	.0349	.8689	19.40.1	C	2 12 ,,
11	21.415	19.68	81.3	57.29	82.0	.0347	.8692	19.40.2	C	3 12 ,,
12	21.382	19.70	81.3	57.30	81.8	.0351	.8693	19.40.3	C	4 12 ,,
13	21.551	19.76	81.4	57.36	82.0	.0361	.8700	19.40.5	R	5 12 ,,
14	22.787	19.73	81.3	57.66	82.0	.0356	.8733	19.41.8	R	6 12 ,,
15	23 816	19.84	81·3	57.56	82.0	.0384	.8722	19.41.1	R	7 12 ,,
16	23.609	20.14	81.9	57.46	82.1	.0423	.8711	19·40.1	R	8 12 ,,
17	22.991	20.42	81·3	57.30	81.8	.0469	·8693	19.38.8	L	9 12 ,,
18	21.963	20.85	82.5	57.14	82.2	.0539	.8675	19.37.2	L	10 12 ,,
19	21.002	21.16	83.1	57.15	82.6	.0590	·8677	19.36.6	L	11 12 ,,
20	19.904	21.24	84.1	56.89	83.5	.0604	·8648	19.35.4	L	Noon.
21	19.561	21.09	84.3	56.68	83.9	.0579	.8625	19.34.8	C	1 12 p. m.
22	18.944	20.91	84.5	56.57	84.0	.0549	.8613	19.34.6	C	2 12 ,,
23	19.630	20.68	85.0	56.64	84.7	.0511	.8620	19.35.5	C	3 12 ,,

On the 4th, at about 19h., Dip as obtained by Observation was 19°04'7.

DAILY OBSERVATIONS FROM 5TH TO 8TH AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 5TH-Noon.	20·316	20.27	83°7	56.76	84°0	8.0445	2.8634	19°36'7	C	4 12 p. m.
1	20.933	20.08	83.6	56.76	84.5	.0413	.8634	19.37.3	R	5 12 ,,
2	21.345	19.89	83.2	56.72	84.0	.0382	.8629	19.37.5	R	6 12 ,,
3	20.728	19.69	82.3	56·61	83.2	·0349	.8617	19.37.4	R	7 12 ,,
4	20.590	19.77	82.2	56.84	83.0	·0363	.8642	19.38.2	R	8 12 ,,
5	20.728	19.65	82.1	56.91	82.9	.0342	.8650	19·38.9	L	9 12 ,,
6	21.139	19.63	81.6	57.00	82.5	.0339	.8660	19.39.2	L	10 12 ,,
7	21.071	19.70	81.4	57.07	82.3	·0351	.8668	19.39.3	L	11 12 ,,
8	21.071	19.72	81.4	57.17	82.2	.0354	.8678	19.39.7	L	Midnight.
9	21.002	19.69	81.4	57.21	82.2	.0349	·8683	19.39.9	C	1 12 a. m.
10	21.139	19.71	81.4	57.22	82.1	.0353	.8684	19.39.9	C	2 12 ,,
11	21.345	19.74	81.3	57.27	82.1	.0358	.8690	19.40.1	C	3 12 ,,
12	21.551	19.76	81.3	57.34	82.0	.0361	.8697	19.40.4	C	4 12 ,,
13	22.101	19.78	81.2	57.34	82.0	.0364	.8697	19.40.4	R	5 12 ,,
14	23.540	19.75	81.2	57.56	82.0	.0359	.8722	19.41.3	R	6 12 ,,
15	24.159	19.99	81.7	57.36	82.0	.0398	.8700	19.40.0	R	7 12 ,,
16	23.609	20.23	82.1	57.22	82.3	.0438	.8684	19.38.8	R	8 12 ,,
17	22.649	20.61	83.0	56.93	82.7	.0500	.8652	19.36.8	L	9 12 ,,
18	21·415	20.95	83.5	56.77	83.0	.0555	.8635	19.35.4	L	10 12 ,,
19	20.453	21.12	84.4	56·60	83.9	.0583	.8616	19·34.4	L	11 12 ,,
20	19.424	20.99	84.8	56.28	84.3	.0562	.8581	19.33.2	L	Noon.
21	19.561	20.62	83·9	56.29	84.0	·0501	.8582	19.34.0	C	1 12 p. m.
22	20.110	20.46	83.0	56.40	83.3	.0476	.8594	19·34.8	C	2 12 ,,
23	20.728	20.34	82.9	56.58	83.2	.0456	.8614	19.35·8	C	3 12 ,,
AUG. 7TH-Noon.	20.865	20.71	85.2	56.19	86.3	.0517	·8571	19.33 3	R	4 12 ,,
1	20.865	20.46	84.7	56.17	96.2	.0476	.8569	19.33.9	R	5 12 ,,
2	20.865	20.25	83.7	56.19	85.8	.0441	.8571	19.34.4	R	6 12 ,,
3	20.385	19.99	83.0	56.33	84.9	.0398	.8586	19.35.5	R	7 12 ,,
4	20.453	19.97	82.9	56.35	84.2	.0395	.8589	19·35.6	R	8 12 ,,
5	20.659	19.82	82·4	56.41	83.9	.0370	.8595	19.36.3	B	9 12 ,,
6	20·796	19·82	82.3	56·55	83.4	.0370	.8611	19.36.9	B	10 12 ,,
7	21.208	19.83	82.2	56.75	83.3	.0372	.8622	19.37.3	B	11 12 ,,
8	21.345	19.81	82.0	56.85	83.2	.0369	.8644	19.38.2	B	Midnight.
9	21.482	19.80	81·9	56.92	83.0	·0367	.8651	19.38.5	C	1 12 a. m.
10	21.276	19.82	81.7	56.97	82.6	.0370	·8657	19.38.8	C	2 12 ,,
11	21.208	19.83	81.6	57·04	82·4	.0372	.8664	19·28.9	C	3 12 ,,
12	21·551	19.84	81.5	57.23	82.1	.0374	.8685	19.39·8	C	4 12 ,,
13	21.963	19.89	81.4	57.44	82.1	.0382	.8708	19·40.6	R	5 12 ,,
14	22.923	19.93	81.3	57.72	82.2	.0388	.8739	19.41.6	R	6 12 ,,
15	23.677	19.90	81.3	57.69	82.2	.0383	.8736	19 41.7	R	7 12 ,,
16	23.884	20.25	82.0	57.58	82·5	.0441	.8724	19.40.4	R	8 12 ,,
17	23.473	20.64	82.9	57·31	83.0	.0505	.8694	19·38.3	C	9 12 ,,
18	22.787	20.73	83·5	57.00	83.4	.0520	.8660	19.36.8	C	10 12 ,,
19	21.482	20.97	84.4	56.63	84.0	.0559	.8619	19.34.7	C	11 12 ,,
20	19.904	21.10	84.7	56.44	84·6	.0580	.8598	19.33 7	C	Noon.
21	19.013	20.98	85.0	56.65	85.0	.0560	.8622	19.34.8	L	1 12 p. m.
22	19.836	20.73	85.2	56.82	85.5	.0520	.8640	19.36.0	L	2 12 ,,
23	20.590	20.45	85.3	56.86	85·9	.0474	.8645	19.37.0	L	3 12 ,,
AUG. 8TH-Noon.	20.933	20.19	85.3	56.73	86.1	.0431	.8630	19.36.9	L	4 12 ,,
1	20.247	20.45	85.0	56.60	86·6	.0474	.8616	19.35.8	R	5 12 ,,
2	20.453	19.87	84.1	56.53	86.0	·0379	.8608	19.36.7	R	6 12 ,,
3	19.561	19.91	83.5	56.51	85·0	.0385	.8606	19.36.4	R	7 12 ,,
4	20.385	19.87	83.1	56.65	85.0	.0379	.8622	19.37.2	R	8 12 ,,
5	20.247	19.67	83.0	56.81	84.4	.0346	·8639	19.38.2	L	9 12 ,,
6	20.385	19.75	82·8	56.87	84·0	.0359	.8646	19.38.4	L	10 12 ,,
7	20.453	19.70	82.5	57.01	83.7	.0351	.8661	19.39.0	L	11 12 ,,
8	20.590	19.78	82.1	57.10	83.4	.0364	.8671	19.39.3	L	Midnight.
9	20·796	19.85	82.0	57.24	83.0	.0375	.8636	19.39.7	C	1 12 a. m.
10	20.659	19.87	81.8	57.31	83·0	.0379	.8694	19·40.0	C	2 12 ,,
11	20.728	19.77	81.4	57.46	82·8	.0363	.8711	19.40.9	C	3 12 ,,

On the 5th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 8TH TO 10TH AUGUST 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Aug. 8th—12	20°28	19.81	81°3	57.43	82°5	8.0369	2.8707	19°40′7	C	4 12 a.m.
13	21.551	19.87	81.1	57.46	82.4	.0379	.8711	19.40.7	R	5 12 ,,
14	23.540	19.86	81·1	57.72	82.3	.0377	.8739	19.41.8	R	6 12 ,,
15	24.295	19.78	81.6	57.58	82.5	.0364	.8724	19.41.4	R	7 12 ,,
16	24.226	20.01	82.0	57.33	82.8	.0402	.8696	19.39.8	R	8 12 ,,
17	23.953	20.32	82.8	57·17	82·9	.0452	.8679	19.38.4	L	9 12 ,,
18	22.923	20.60	83.7	56.71	83.5	.0498	.8629	19.35·9	L	10 12 ,,
19	20.385	20.62	84.2	56.40	84.0	.0501	.8594	19.34.5	L	11 12 ,,
20	19.081	20.67	84.5	56.41	84.4	.0510	.8595	19.34.5	L	Noon.
21	18.944	20.68	85.0.	56.57	85.1	.0511	.8613	19·35.2	C	1 12 p.m.
22	19.013	20.87	86.4	56.52	85·8	.0543	.8607	19.34.6	C	2 12 ,,
23	20.110	20.65	85.9	56.53	86.2	.0506	.8608	19.35.0	C	3 12 ,,
Aug. 9th-Noon.	20.793	20.49	85.8	56.63	86.9	.0481	·8619	19.35.8	C	4 12 ,,
1	21.688	20.27	85.1	56.51	86.8	.0445	.8606	19.35.6	R	5 12 ,,
2	21·415	20·04	84.3	56.49	86.3	.0407	.8604	19.36.1	R	6 12 ,,
3	20.042	19.89	83.7	56.45	85.3	.0382	·8600	19.36.4	R	7 12 ,,
4	20.179	19.94	83.4	56.65	85.0	.0390	.8621	19.37·0	R	8 12 ,,
5	20.316	19.94	83.2	56·69	84.6	.0390	.8626	19.37.2	L	9 12 ,,
6	20.659	20.10	83.1	56.88	84.3	.0416	.8647	19.37.7	L	10 12 ,,
7	20.659	19.98	83.0	56.97	84·1	.0396	.8657	19.38.4	L	11 12 ,,
8	21.208	19.97	82.8	57.12	83.9	.0395	.8673	19.38.9	L	Midnight.
9	21.071	19.87	82.6	57.17	83.9	.0379	.8679	19.39.4	C	1 12 a.m.
10	21·139	19.90	82·5	57.28	83.6	.0383	·8691	19.39.9	C	2 12 ,,
11	21.002	19.87	82.3	57.37	83.4	.0379	.8701	19.40.3	C	3.12 ,,
12	21.071	19.86	82.1	57.59	83.0	.0377	.8725	19.41·3	C	4 12 ,,
13	21.415	19.79	82·0	57.79	83.0	.0366	.8747	19.42.3	R	5 12 ,,
14	22.787	19.99	82.0	57.89	83.0	.0398	.8758	19.42.3	R	6 12 ,,
15	23.609	19.86	82.1	57·98	83.0	.0377	.8768	19.42.9	R	7 12 ,,
16	24.021	20.26	82.9	57.74	83.1	.0443	.8741	19.41.1	R	8 12 ,,
17	23.404	20.64	83.5	57·49	83.5	.0505·	.8714	19.39.1	L	9 12 ,,
18	22.787	21.07	84.0	57.22	84.0	.0576	.8684	19.37.1	L	10 12 ,,
19	21.415	21·03	84.6	56.78	84.4	.0569	.8636	19.35.3	L	11 12 ,,
20	19·356	21.03	85.2	56·75	85.0	.0569	.8633	19.35.2	L	Noon.
21	19.493	20.82	85.2	56.79	85.2	.0534	.8637	19·35.9	C	1 12 p.m.
22	19.356	20.59	85.5	56.92	85·8	.0497	.8651	19.36.8	C	2 12 ,,
23	20.247	20.23	85.8	57.07	86.0	·0438	.8668	19.38.2	C	3 12 ,,
Aug. 10th-Noon.	20.522	20.10	85·0	57.18	86.0	.0416	.8680	19.38.9	C	4 12 ,,
1	21.139	20.09	84.9	57.08	86.0	.0415	.8669	19.38.4	R	5 12 ,,
2	20.933	20.26	84·0	57.26	85.4	.0443	.8689	19.39.0	R	6 12 ,,
3	20.179	20.14	83.3	57.25	85.0	.0423	.8688	19.39.2	R	7 12 ,,
4	20.110	19.95	83·1	57.39	84.6	.0391	·8703	19.40.2	R	8 12 ,,
5	21.139	19.09	83.0	57.54	84.1	.0349	.8719	19.41.3	L	9 12 ,,
6	21.688	19.44	82·9	57.62	84.0	·0309	.8728	19.42.2	L	10 12 ,,
7	21.688	19.73	82.8	57.69	83.8	.0356	.8736	19.41.9	L	11 12 ,,
8	22.032	19.61	82.4	57.86	83.5	.0336	.8755	19.43.0	L	Midnight.
9	21.895	19.79	82.2	57.70	83.4	.0366	.8737	19.41.9	C	1 12 a.m
10	21.688	19.77	82.2	57.74	83.1	.0363	.8741	19.42.1	C	2 12 ,,
11	21.619	19.85	82.0	57.79	83.0	.0375	.8747	19.42.2	C	3 12 ,,
12	21.895	19.88	82.0	57.83	82.9	.0380	.8751	19.42·3	C	4 12 ,,
13	22.305	19.79	82.0	57.88	82·9	.0366	.8757	19.42.7	R	5 12 ,,
14	23.746	19.76	81.8	58.19	83.0	.0361	.8791	19.44.0	R	6 12 ,,
15	24.502	19.83	82.0	58.19	82.9	.0372	.8791	19·43.9	R	7 12 ,,
16	24.149	20·09	82.7	57.74	83.0	.0415	.8741	19.41.3	R	8 12 ,,
17	23·198	20.51	83.6	57.29	83.6	.0484	.8692	19·38.6	L	9 12 ,,
18	22.168	20·85	84.4	57·11	84·2	.0539	.8672	19·37.0	L	10 12 ,,
19	21·551	20.92	85·1	56.92	84.7	.0550	.8651	19.36.1	L	11 12 ,,
20	20.042	20.95	85.7	56.68	85.2	.0555	.8625	19.35.0	L	Noon.
21	19.150	20·80	85·9	56.68	85.4	.0531	.8625	19.34.6	C	1 12 p.m.
22	18.738	20.54	85.8	57.02	85.5	.0489	.8662	19.37.0	C	2 12 ,,
23	19.493	20.23	86.0	57.08	86.0	.0438	.8669	19.38.2	C	3 12 ,,

On the 8th, at about 19h. 20m., Dip as obtained by Observation was 19°15′6.

DAILY OBSERVATIONS FROM 11TH TO 15TH AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 11TH-Noon.	21·971	20.06	85·7	57.32	86·0	8.0410	2.8695	19°39·7	C	4 12 p. m
1	21.071	19.90	85.0	56.88	86.0	.0383	.8647	19.38.3	G	5 12 ,,
2	21.139	19.87	84.3	57.13	85.6	.0379	.8674	19.39.2	G	6 12 ,,
3	20.659	19.83	83.9	57.10	85.1	.0372	·8671	19.39.2	G	7 12 ,,
4	20.796	19.67	83.5	57.34	84.8	.0346	.8697	19.40.5	G	8 12 ,,
5	20.933	19.68	83.4	57.39	84.5	.0347	.8703	19.40.7	L	9 12 ,,
6	21.345	19.61	83.0	57.48	84.1	.0336	.8713	19.41.3	L	10 12 ,,
7	21.415	19.61	82.8	57.61	83.8	.0336	.8727	19.41.9	L	11 12 ,,
8	21.345	19.64	82.7	57.76	83.6	.0341	.8744	19.42.5	L	Midnight.
9	21.688	19.60	82.5	57.78	83.4	.0334	.8746	19.42.7	C	1 12 a. m.
10	21.688	19.66	82.3	57.83	83.1	.0344	.8751	19.42.8	C	2 12 ,,
11	21.415	19.70	82.0	57.87	83.0	.0351	.8756	19.42.8	C	3 12 ,,
12	21.345	19.70	82.0	57.94	83.0	.0351	.8763	19.43.0	C	4 12 ,,
13	21.688	19.73	81.9	58.08	82.8	.0356	.8779	19.43.5	L	5 12 ,,
14	22.237	19.66	81.7	58.12	82.4	.0344	.8783	19.44.0	L	6 12 ,,
15	22.923	19.75	82.0	58.14	82.6	.0359	.8785	19.43.8	L	7 12 ,,
16	22.923	19.95	82.6	58.06	82.8	.0391	.8777	19.43.1	L	8 12 ,,
17	21.758	20.33	83.4	57.62	83.3	.0454	.8728	19.40.3	C	9 12 ,,
18	20.179	20.45	84.5	57.43	84.0	.0474	.8707	19.39·4	C	10 12 ,,
19	18.670	20.54	85.3	57.33	84.9	.0489	.8696	19.38.6	C	11 12 ,,
20	18.395	20.66	85.9	57.34	85.3	.0508	.8702	19.38.6	C	Noon.
21	18.327	20.78	86.2	57.18	85.9	.0528	.8680	19.37.5	G	1 12 p. m.
22	19.081	20.54	86.4	57.29	86.2	.0489	.8692	19.38.4	G	2 12 ,,
23	20.590	20.30	86.5	57.41	86.0	.0449	.8705	19.39.5	G	3 12 ,,
AUG. 14TH-Noon.	21.345	20.15	84.6	57.97	85.5	.0424	.8767	19.42.3	B	4 12 ,,
1	22.032	20.03	84.0	57.95	85.1	.0405	.8765	19.42.4	B	5 12 ,,
2	21.619	19.98	83.7	57·79	84.8	.0396	.8747	19.41.9	B	6 12 ,,
3	21.002	19.84	83.3	57.84	84.5	.0374	.8752	19.42.4	B	7 12 ,,
4	21.002	19.72	82.8	57.90	84.1	.0354	.8759	19.42.9	B	8 12 ,,
5	21.139	19.69	82.5	57.96	83.7	.0349	.8766	19.43.1	L	9 12 ,,
6	21.002	19.75	82.4	58.01	83.7	.0359	.8771	19.43.2	L	10 12 ,,
7	21.208	19.77	82.4	58.13	83.6	.0363	.8784	19.43.7	L	11 12 ,,
8	21.482	19.83	82.3	58.22	83.4	.0372	.8794	19.44.0	L	Midnight.
9	21.895	19.80	82.1	58.26	83.4	.0367	.8799	19.44.2	C	1 12 a. m.
10	21.895	19.80	82.0	58.25	83.2	.0367	.8798	19.44.2	C	2 12 ,,
11	21.758	19.84	82.0	58.18	83.0	.0374	.8790	19.44.9	C	3 12 ,,
12	21.551	19.81	82.0	58.21	83.0	.0369	.8793	19.44.0	C	4 12 ,,
13	21.551	19.85	82.0	58.24	82.9	.0375	.8796	19.44.0	B	5 12 ,,
14	22.649	19.86	82.0	58.30	82.8	.0377	.8803	19.44.3	B	6 12 ,,
15	23.746	19.86	82.2	58.30	82.8	.0377	.8803	19.44.3	B	7 12 ,,
16	23.884	20.21	82.8	57.89	83.1	.0435	.8748	19.41.4	B	8 12 ,,
17	22.854	20.70	83.8	57.48	83.4	.0515	.8713	19.38.9	L	9 12 ,,
18	20.728	21.09	84.3	57.11	84.2	.0579	.8672	19.36.5	L	10 12 ,,
19	19.081	21.49	85.3	56.86	84.8	.0645	.8645	19.34.6	L	11 12 ,,
20	17.503	21.56	85·6	56.98	85.3	.0656	.8658	19.35.0	L	Noon.
21	16.055	21.39	86.0	57.28	86.0	.0628	.8691	19.36.6	C	1 12 p. m.
22	17.984	21.25	86.2	57.45	86.4	.0605	.8710	19.37.7	C	2 12 ,,
23	19.699	20.93	86.4	57.71	87.0	.0552	.8738	19.39·5	C	3 12 ,,
AUG. 15TH-Noon.	21.071	20.58	86.2	57.69	87.0	.0495	.8736	19.40.1	C	4 12 ,,
1	21.482	20.29	85.5	57.53	87.0	.0448	.8718	19.40.0	G	5 12 ,,
2	21.071	20.20	84.9	57.44	86.3	.0433	.8708	19.39.9	G	6 12 ,,
3	20.247	20.01	84.0	57.37	85.5	.0402	.8701	19.40.0	G	7 12 ,,
4	20.385	19.94	83.5	57.55	85.0	·0390	.8721	19.40.9	G	8 12 ,,
5	20.453	19.93	83.3	57.66	84.8	.0388	.8733	19.41.4	L	9 12 ,,
6	20.728	19.82	83.2	57.80	84.6	.0370	.8748	19.42.3	L	10 12 ,,
7	21.139	19.66	83.0	57.87	84.4	.0344	.8756	19.43.0	L	11 12 ,,
8	21.688	19.67	83.0	57.91	84.2	.0346	.8760	19.42.9	L	Midnight.
9	21.895	19.61	82.7	57.93	84.0	.0336	.8762	19.43.1	C	1 12 a. m.
10	21.895	19.68	82.6	57.96	83.9	.0347	.8766	19.43.1	C	2 12 ,,
11	21.826	19.77	82.4	58.00	83.8	.0363	.8770	19.43.2	C	3 12 ,,

On the 11th, at about 19h. 15m., Dip as obtained by Observation was 19°08'8.

DAILY OBSERVATIONS FROM 15TH TO 17TH AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 15TH—12	21'495	19.82	82°4	58.00	83°7	8.0370	2.8770	19°43'1	C	4 12 a. m.
13	21.758	19.91	82.2	58.11	83.6	.0385	.8782	19.43.2	L	5 12 „
14	23.335	19.98	82.3	58.32	83.4	·0396	.8805	19.44.1	L	6 12 „
15	24.090	20.37	82.5	58.28	83·3	.0461	.8801	19.43.1	L	7 12 „
16	23.816	20.38	82.9	57.95	83.2	.0462	.8765	19.41.7	G	8 12 „
17	22.444	20.64	83.0	57.55	83.4	.0505	·8721	19.39.4	G	9 12 „
18	20.453	21.08	83.9	57.17	83.9	.0577	.8679	19.36.8	L	10 12 „
19	18.738	20.99	84.6	57.32	84.5	.0562	.8695	19.37.7	G	11 12 „
20	16.955	21.18	84.9	57.35	84.9	.0593	·8699	19.37.4	G	Noon.
21	18.121	20·39	84.0	57.74	84.4	.0464	.8741	19.40.8	C	1 12 p. m.
22	20.453	19.47	84.5	58.15	84.9	.0314	.8787	19.44.6	C	2 12 „
23	20.826	18.92	84.5	58.15	85.0	·0222	.8787	19.45.7	C	3 12 „
AUG. 16TH-Noon.	22.718	19.02	84.9	57.91	85.4	.0239	.8760	19.44.4	C	4 12 „
1	22.991	18.93	84.3	57.81	85.1	.0224	.8749	19 44.2	R	5 12 „
2	22.101	18.95	83.7	57.75	85.0	.0227	.8743	19.43.9	R	6 12 „
3	21.345	18.89	83·1	57.83	84.3	.0218	.8751	19.44.3	R	7 12 „
4	21.345	18.74	83.0	57.84	84.1	.0194	.8752	19.44.7	R	8 12 „
5	20.865	18.94	83.0	57.57	84·1	.0226	.8725	19.43.2	L	9 12 „
6	21.415	18.94	82.4	57.61	83.7	.0226	.8727	19.43.3	L	10 12 „
7	21.002	19·20	82.3	57.66	83.5	.0269	.8733	19.43.0	L	11 12 „
8	21.415	19.13	82.3	57.72	83.4	.0257	.8739	19.43.3	L	Midnight.
9	21.619	19.13	82.3	57.78	83.4	.0257	.8746	19.43.6	C	1 12 a. m.
10	21.619	19.22	82.5	57.76	83.4	.0272	.8744	19·43.4	C	2 12 „
11	21.895	19.21	82.4	57.78	83.3	.0271	.8746	19.43.5	C	3 12 „
12	22.101	19.27	82.2	57.80	83.3	.0281	·8748	19.43.5	C	4 12 „
13	22.101	19.30	82.1	57.99	83.1	.0285	.8769	19·44·0	R	5 12 „
14	23.404	19.36	82.0	58.11	83·0	.0295	.8782	19.44.4	R	6 12 „
15	24.159	19.44	82.2	58·09	83.0	.0309	.8780	19.44.3	R	7 12 „
16	24·776	19.90	82.2	57.89	83.0	.0383	·8758	19.42·6	R	8 12 „
17	24.090	20.35	83.0	57.71	83.0	·0457	.8738	19.40.7	L	9 12 „
18	23.540	20.33	83.4	57.50	83.4	.0454	.8715	19·39.9	L	10 12 „
19	22·649	20.59	83.8	57.31	83.8	.0497	.8694	19.38.4	L	11 12 „
20	21.688	20.37	84.9	57.16	84.5	.0461	.8678	19.38.3	L	Noon.
21	21.139	20.05	85.3	57.03	85.3	.0408	.8663	19.38.4	C	1 12 p. m.
22	20.453	20.06	85.9	56.96	85·9	.0410	.8656	19.38.2	C	2 12 „
23	20.110	19.55	86.1	57·13	86.3	.0316	.8674	19·39·9	C	3 12 „
AUG. 17TH-Noon.	21.826	19·25	86.0	57.28	86.1	.0277	.8691	19.42.2	C	4 12 „
1	22.168	19.11	85·6	57.28	86.1	.0254	.8691	19.41.5	R	5 12 „
2	22.854	18.93	84.8	57.39	85.8	.0224	.8703	19.42.4	R	6 12 „
3	21.619	18.84	84.0	57.36	85.2	.0210	.8700	19.42.5	R	7 12 „
4	21.071	18.90	83.8	57.35	85·0	.0219	.8699	19.42.2	R	8 12 „
5	20.933	19.08	83.5	57.45	84.4	.0249	.8710	19.42.3	L	9 12 „
6	20.796	19·14	83·3	57.55	84.2	·0259	.8721	19.42·6	L	10 12 „
7	20.933	19.12	83.3	57.65	84·2	.0255	.8732	19.43.0	L	11 12 „
8	21.415	19.19	83·0	57.67	84.1	·0267	.8734	19.43.0	L	Midnight.
9	22.237	19.13	83.0	57.76	84.0	.0257	.8744	19.43·5	C	1 12 a. m.
10	21.895	19.23	83.0	57·82	84·0	.0274	.8750	19.43.7	C	2 12 „
11	21.826	19.49	83.0	57.83	84.0	.0317	.8751	19.43.0	C	3 12 „
12	22.032	19.40	82.9	57.93	83.8	.0302	.8762	19.43.6	C	4 12 „
13	22.101	19.33	82.9	57.84	83.9	.0290	.8752	19.43.4	R	5 12 „
14	22.032	19·45	82.5	58.02	83.4	.0310	.8772	19.43.9	R	6 12 „
15	23.746	19.83	82.7	58·28	83.3	.0372	·8801	19.44.3	R	7 12 „
16	23.609	20.04	83.0	58.11	83.6	.0407	·8782	19.43.0	R	8 12 „
17	22.512	20.24	83.9	57.74	83.9	.0440	.8741	19.41.1	L	9 12 „
18	21.345	20·84	85.0	57.32	84.7	.0538	.8695	19.38.0	L	10 12 „
19	20.933	20.66	85.4	57.21	85.0	.0508	·8683	19.37.9	L	11 12 „
20	20.316	20.71	86.0	56.95	85.6	.0517	.8655	19.36.7	L	Noon.
21	20.659	20.12	86·5	56.81	86.2	.0419	.8639	19.37.3	C	1 12 p. m.
22	20.728	19.74	86.9	56.88	86.5	.0358	.8647	19·38.5	C	2 12 „
23	21.482	19.43	86.0	57.06	86.5	.0307	.8777	19.40.3	C	3 12 „

DAILY OBSERVATIONS FROM 18TH TO 21ST AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 18TH-Noon.	22'581	19.17	84°0	57.49	85°2	8.0264	2.3714	19°42'3	C	4 12 p. m.
1	22.649	19.37	84.6	57.56	85.2	.0297	.3722	19.42.1	R	5 12 ,,
2	22.237	19.46	84.5	57.50	85.2	.0312	.8715	19.41.8	R	6 12 ,,
3	21.688	19.12	83.9	57.55	85.0	.0255	.3721	19.42.6	R	7 12 ,,
4	21.619	19.08	83.7	57.54	84.8	.0249	.8719	19.42.6	R	8 12 ,,
5	20.865	19.16	83.4	57.65	84.4	.0262	.8732	19.43.0	L	9 12 ,,
6	20.865	19.27	83.1	57.71	84.2	.0281	.8738	19.43.1	L	10 12 ,,
7	21.208	19.30	82.3	57.89	83.5	.0285	.8758	19.43.7	L	11 12 ,,
8	20.933	19.19	82.5	57.96	83.5	.0267	.8766	19.44.2	L	Midnight.
9	21.482	19.32	82.6	58.00	83.5	.0288	.8770	19.44.1	C	1 12 a. m.
10	21.139	19.45	82.8	57.96	83.5	.0310	.8766	19.43.7	C	2 12 ,,
11	21.071	19.50	82.8	57.91	83.5	.0318	.8760	19.43.3	C	3 12 ,,
12	21.895	19.73	82.5	58.10	83.2	.0356	.8781	19.43.6	C	4 12 ,,
13	21.826	19.49	82.4	57.88	83.2	.0317	.8757	19.43.3	R	5 12 ,,
14	23.335	19.32	82.4	58.16	83.2	.0288	.8788	19.44.8	R	6 12 ,,
15	24.846	19.38	82.7	58.09	83.0	.0298	.8780	19.44.4	R	7 12 ,,
16	24.226	19.76	83.0	57.60	83.2	.0361	.8726	19.41.6	R	8 12 ,,
17	22.854	20.01	83.7	57.15	83.6	.0402	.8677	19.39.1	L	9 12 ,,
18	21.208	20.28	84.7	56.88	84.2	.0446	.8647	19.37.3	L	10 12 ,,
19	19.767	20.66	85.4	56.70	84.9	.0508	.8627	19.38.5	L	11 12 ,,
20	18.670	20.54	85.8	56.73	85.1	.0489	.8630	19.36.1	L	Noon.
21	19.356	20.27	86.2	57.17	85.9	.0445	.8679	19.38.4	C	1 12 p. m.
22	20.179	19.96	86.8	57.25	86.4	.0393	.8688	19.39.6	C	2 12 ,,
23	21.345	19.54	86.9	57.45	86.9	.0325	.8710	19.41.3	C	3 12 ,,
AUG. 19TH-Noon.	22.374	19.10	86.1	57.47	86.9	.0252	.8712	19.42.3	C	4 12 ,,
1	23.540	19.18	86.0	57.36	87.0	.0265	.8700	19.41.7	R	5 12 ,,
2	22.787	19.03	85.3	57.21	86.4	.0241	.8683	19.41.4	R	6 12 ,,
3	21.415	19.15	84.9	57.18	86.0	.0260	.8680	19.41.0	R	7 12 ,,
4	21.345	19.14	84.8	57.34	85.8	.0259	.8697	19.41.6	R	8 12 ,,
5	21.415	18.92	84.3	57.44	85.4	.0222	.8708	19.42.6	L	9 12 ,,
6	21.276	19.09	84.0	57.57	85.1	.0251	.8723	19.42.8	L	10 12 ,,
7	21.345	19.15	83.9	57.65	85.0	.0260	.8732	19.43.0	L	11 12 ,,
8	21.415	19.51	83.8	57.64	84.7	.0320	.8730	19.42.2	L	Midnight.
9	21.345	19.40	83.7	57.71	84.6	.0302	.8738	19.42.8	C	1 12 a. m.
10	21.415	19.42	83.5	57.69	84.3	.0305	.8731	19.42.4	C	2 12 ,,
11	21.481	19.32	83.3	57.61	84.2	.0288	.8727	19.42.5	C	3 12 ,,
12	21.551	19.36	83.2	57.62	84.1	.0295	.8728	19.42.4	C	4 12 ,,
13	21.963	19.37	83.0	57.76	84.0	.0297	.8743	19.43.0	R	5 12 ,,
14	22.923	19.52	83.0	58.11	83.6	.0321	.8782	19.44.1	R	6 12 ,,
15	24.090	19.43	83.0	57.96	83.7	.0307	.8766	19.43.7	R	7 12 ,,
16	23.884	19.60	83.6	57.72	83.9	.0334	.8739	19.42.4	R	8 12 ,,
17	22.168	20.02	83.9	57.18	84.2	.0403	.8680	19.39.2	L	9 12 ,,
18	20.865	20.33	84.4	56.91	84.4	.0454	.8650	19.37.4	L	10 12 ,,
19	19.973	20.40	85.3	56.63	85.1	.0466	.8619	19.35.9	L	11 12 ,,
20	17.846	20.48	85.7	56.35	85.7	.0479	.8589	19.34.7	L	Noon.
21	18.327	20.33	86.0	56.66	86.1	.0454	.8623	19.36.3	C	1 12 p. m.
22	18.464	20.15	85.8	57.13	86.4	.0424	.8674	19.38 6	C	2 12 ,,
23	18.807	19.95	86.0	57.33	86.9	.0391	.8696	19.40.0	C	3 12 ,,
AUG. 21ST-Noon.	21.345	19.61	83.0	57.53	84.3	.0336	.8718	19.41.5	R	4 12 ,,
1	21.276	19.41	82.7	57.62	83.9	.0304	.8728	19.42.4	R	5 12 ,,
2	21.415	19.61	82.0	57.75	83.2	.0336	.8743	19.42.5	R	6 12 ,,
3	21.139	19.56	81.9	57.76	83.0	.0328	.8744	19.42.6	R	7 12 ,,
4	21.345	19 66	82.0	57.81	83.0	.0344	.8749	19.42.7	R	8 12 ,,
5	21.002	19.49	82.0	57.89	83.0	.0317	.8758	19.43.3	L	9 12 ,,
6	21.276	19.46	81.9	57.97	82.9	.0312	.8767	19.43.8	L	10 12 ,,
7	21.619	19.85	81.9	57.96	82.8	.0375	.8766	19.42.8	L	11 12 ,,
8	21.688	19.36	81.9	58.03	82.7	.0295	.8773	19.44.1	L	Midnight.
9	21.345	19.37	81.6	58.05	82.4	.0297	.8776	19.44.2	C	1 12 a. m.
10	21.071	19.37	81.2	58.07	82.2	.0297	.8778	19.44.3	C	2 12 ,,
11	20.933	19.43	81.0	58.08	82.0	.0307	.8779	19.44.2	C	3 12 ,,

On the 18th, at about 19h. 20m., Dip as obtained by Observation was 19°09'4.
On the 19th, at about 19h. 35m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD AUGUST 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Aug. 21st—12	20·659	19.47	80·9	58.11	81·9	8.0314	2.8782	19°44'3	C	4 12 a. m.
13	21.345	19.37	80.8	58.15	81.6	.0297	.8787	19.44.7	R	5 12 „
14	22.374	19.62	81.0	58.43	81.8	·0337	.8817	19.45.4	R	6 12 „
15	24.502	19.58	80.7	58.40	81.7	.0331	.8814	19.45.3	R	7 12 „
16	24.021	19.93	81.0	57.98	81.9	.0388	.8768	19.42.7	R	8 12 „
17	21.688	20·38	81.0	57·63	81.5	.0462	.8729	19·40·3	L	9 12 „
18	19.973	20.76	81.0	57.70	81.5	.0525	.8737	19·39.8	L	10 12 „
19	19.356	20.70	81.7	57.81	82.0	.0515	.8749	19.40·3	L	11 12 „
20	18.670	20·65	83.0	57.60	82.7	.0506	.8726	19.39.6	L	Noon.
21	18.670	20.50	83.9	57.49	83.4	.0482	.8714	19.39.5	C	1 12 p. m.
22	19.081	20.08	83.9	57.51	84.0	.0413	.8716	19.40.5	C	2 12 „
23	19.561	19.60	83.9	57.52	84.0	.0334	.8717	19.41.6	C	3 12 „
Aug. 22nd-Noon.	21.415	19·19	83.5	57.83	84.1	.0267	.8751	19.43.7	C	4 12 „
1	21.688	19.25	83.0	57·84	84.0	.0277	.8752	19.43·6	R	5 12 „
2	22.305	19.21	82.6	57.83	83.6	.0271	.8751	19.43.7	R	6 12 „
3	21.688	18.84	81.8	57.79	83.0	.0210	·8747	19.44.4	R	7 12 „
4	21.619	18.88	82.0	57·89	83.0	.0216	.8758	19.44.6	R	8 12 „
5	22.101	18.87	81.9	57.94	82.9	.0215	.8763	19.44.7	L	9 12 „
6	21.415	19.13	81.9	57.89	82.9	.0257	.8758	19.44.1	L	10 12 „
7	21.276	19.20	81.9	57.93	82.8	.0269	.8761	19.44.0	L	11 12 „
8	21.276	19.00	81.4	57.99	82.4	.0236	.8769	19.44.7	L	Midnight.
9	21.688	19.11	80.9	58.02	81.9	.0254	.8772	19.44.6	C	1 12 a. m.
10	21·688	19.21	80.9	58.08	81.5	.0271	.8779	19.44.7	C	2 12 „
11	21.551	19.16	80·9	58.05	81.7	.0279	.8776	19 44.5	C	3 12 „
12	21.139	19.31	80.6	58.05	81.6	.0287	.8776	19.44.3	C	4 12 „
13	21.551	19·40	81.0	58.25	81.7	.0302	.8798	19.45.1	R	5 12 „
14	22.444	19·47	81.2	58.36	82.0	.0314	.8810	19.45.5	R	6 12 „
15	24.846	19.43	81.0	58.32	81.8	.0315	.8805	19.45.1	R	7 12 „
16	24.502	19.66	80.9	57.95	81.8	.0344	.8765	19.43.3	R	8 12 „
17	22·854	20.12	81.0	57.52	81·4	.0419	.8717	19.40.4	L	9 12 „
18	20.590	20.39	80.3	57.22	81.2	.0464	.8684	19.38.5	L	10 12 „
19	18.601	20.68	81.0	57.04	81.4	.0511	.8664	19.37.1	L	11 12 „
20	17.229	20.75	80.8	57.04	81·3	.0523	.8664	19·36.9	L	Noon.
21	15.926	20.60	80.3	57.39	80.8	.0498	.8703	19.38.8	C	1 12 p. m.
22	16·337	20.38	80.2	57.78	80.9	.0462	.8746	19·41·0	C	2 12 „
23	18.121	20.18	80.2	58.03	80.9	.0429	.8773	19.42.4	C	3 12 „
Aug. 23rd-Noon.	19.836	19.95	80.5	58.17	80.9	.0391	.8789	19·43·5	C	4 12 „
1	21.415	19.76	80.9	58.24	81.3	.0361	.8796	19·44·2	R	5 12 „
2	21.758	19.69	81.0	58.04	81.4	.0349	.8774	19·43·4	R	6 12 „
3	21.345	19.55	80.9	58.05	81.6	.0326	.8776	19.43.8	R	7 12 „
4	20.933	19.54	80.9	58.05	81.6	.0325	.8776	19·43·8	R	8 12 „
5	20.933	19.39	80.8	58.07	81.5	.0300	.8778	19·44·3	L	9 12 „
6	21.345	19.40	80.6	58·15	81.5	.0302	.8787	19·44·7	L	10 12 „
7	21.345	19.16	80.4	58.16	81.3	.0262	.8788	19·45·2	L	11 12 „
8	21.688	19.15	80.2	58.18	81.0	.0260	.8790	19·45·3	L	Midnight.
9	21.895	19.35	80.3	58.23	81.0	.0293	.8795	19·45·1	C	1 12 a. m.
10	21.415	19.32	80.0	58.21	80.9	.0288	.8793	19·45·0	C	2 12 „
11	21.482	19.29	79.1	58.35	80.2	.0284	.8799	19·45·4	C	3 12 „
12	21.002	19.28	79·0	58.42	80.0	.0282	.8816	19·46.2	C	4 12 „
13	21.551	19.40	79.5	58.54	80.1	.0302	.8829	19·46·3	R	5 12 „
14	22.512	19.32	79.0	58.80	80.0	.0288	.8858	19·47·6	R	6 12 „
15	23.953	19.38	78.7	58.64	79.9	.0298	.8840	19·46.8	R	7 12 „
16	23·884	19.52	79.3	58.50	80.0	.0321	.8825	19·45.9	R	8 12 „
17	22.032	20.26	79.6	58.05	80.1	.0443	.8776	19·42·4	L	9 12 „
18	20.042	20.38	79.2	58.04	79.8	.0462	.8774	19·42·0	L	10 12 „
19	19.287	20.43	79.9	57.90	80·1	.0471	.8759	19·41·4	L	11 12 „
20	18.738	20.24	78.5	57.98	79.4	.0440	.8768	19.42·1	L	Noon.
21	18.258	20.47	78.6	58.30	79.4	.0478	.8803	19.42·1	C	1 12 p. m.
22	18.395	20.24	78.9	58.50	79.7	.0440	.8825	19.43·5	C	2 12 „
23	19.699	19.84	79.1	58.75	79.6	.0374	.8853	19.46·4	C	3 12 „

On the 22nd, at about 19h. 15m., Dip as obtained by Observation was 18°51'9.

DAILY OBSERVATIONS FROM 24TH TO 26TH AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 24TH-Noon.	20°33	19.49	78°9	58.78	79°4	8.0317	2.8854	19°47'0	C	4 12 p. m.
1	21.826	19.28	78.8	58.72	79.3	.0282	.8849	19.47.4	R	5 12 ,,
2	21.758	19.16	78.4	58.58	79·2	.9262	.8834	19.47.0	R	6 12 ,,
3	21.415	19.23	78.2	58.67	79.0	.9274	.8844	19.47.3	R	7 12 ,,
4	20.728	19.35	78.9	58.67	79.1	.0293	.8844	19.47.0	R	8 12 ,,
5	21.208	19.34	79.0	58.61	79.5	.0292	.8837	19.47.2	L	9 12 ,,
6	21.208	19.34	79.2	58.61	79.6	.0292	.8837	19.46.8	L	10 12 ,,
7	21.415	19.32	79.3	58.58	79.9	.0288	.8834	19.46.6	L	11 12 ,,
8	21.619	19.33	79.6	58.52	80.0	.0290	.8827	19.46.4	L	Midnight.
9	21.551	19.46	79.8	58.55	80.1	.0312	.8831	19.46.3	C	1 12 a. m.
10	21.482	19.37	79.9	58.51	80.2	.0297	.8826	19.46.2	C	2 12 ,,
11	21.482	19.37	79.9	58.43	80·2	.0297	.8817	19 45.9	C	3 12 ,,
12	21.551	19.40	80.0	58.51	80.2	.0302	.8826	19.46.2	C	4 12 ,,
13	22.101	19.38	79.9	58.66	80.2	.0298	.8843	19.46.9	R	5 12 ,,
14	24.363	19.49	79.7	58.90	80.1	.0317	.8869	19.47.5	R	6 12 ,,
15	26.218	19.46	79.2	58.94	79·9	.0312	.8873	19.47.9	R	7 12 ,,
16	24.983	19.87	79.0	58.29	79.7	.0379	.8802	19.44.2	R	8 12 ,,
17	21.758	20.35	79.4	57.91	79.7	.0457	.8760	19.41.5	L	9 12 ,,
18	19.081	20.70	79.1	57.74	79.5	.0515	.8741	19.40.0	L	10 12 ,,
19	17.915	20.77	79.0	57.96	79.4	.0527	.8766	19.40.8	L	11 12 ,,
20	16.817	20.90	79.1	58.17	79.5	.0547	.8789	19.41.4	L	Noon.
21	18.052	20.58	79.1	58.51	79.6	.0495	.8826	19.43.6	C	1 12 p. m.
22	18.944	20.27	78.9	58.62	79.5	.0445	.8827	19.44.3	C	2 12 ,,
23	20.796	20.02	78.7	58.76	79.1	.0403	.8854	19.46.0	C	3 12 ,,
AUG. 25TH-Noon.	21.758	19.98	78.8	58.67	79.1	.0396	.8844	19.45.6	C	4 12 ,,
1	21.688	19.86	78.9	58.49	79.1	.0377	.8814	19.44.7	R	5 12 ,,
2	20.865	19.78	79.0	58.39	79.5	.0364	.8813	19.44.9	R	6 12 ,,
3	20.522	19.79	79.1	58.43	79.9	.0366	.8817	19.45.0	R	7 12 ,,
4	20.453	19.79	79.2	58.20	80.0	.0366	.8792	19.43.9	R	8 12 ,,
5	20.522	19.75	78.8	58.24	79.6	.0359	.8796	19.44.2	L	9 12 ,,
6	20.522	19.76	79.2	58.27	79.6	.0361	.8800	19.44.4	L	10 12 ,,
7	20.865	20.13	78.6	58.32	79.4	.0421	.8805	19.43.8	L	11 12 ,,
8	20.865	19.83	78.8	58.33	79.4	.0372	.8806	19.44.5	L	Midnight.
9	21.619	19.41	78.9	58.42	79.1	.0304	.8816	19.45.8	C	1 12 a. m.
10	21.963	19.38	78.5	58.37	79·0	.0298	.8811	19.45.6	C	2 12 ,,
11	22.168	19.41	78.0	58.40	78.9	.0307	.8814	19.45.6	C	3 12 ,,
12	22.237	19.42	78.3	58.39	78·9	.0305	.8813	19.45.6	C	4 12 ,,
13	22.787	19.33	78.4	58.47	79·0	.0290	.8822	19.46.1	R	5 12 ,,
14	24.432	19.56	78.1	58.71	78.8	.0328	.8848	19.46.7	R	6 12 ,,
15	26.012	19.47	77.7	58.65	78.3	.0314	.8841	19.46.7	R	7 12 ,,
16	25.600	19.78	77.8	58.25	78.2	.0364	.8798	19.44.3	R	8 12 ,,
17	22.787	20.21	78.0	57.97	78.3	.0435	.8767	19.42.1	L	9 12 ,,
18	21.002	20.37	78.0	57.90	78.4	.0461	.8759	19.41.5	L	10 12 ,,
19	19.699	20.55	78.5	57.91	78.6	.0490	.8760	19.41.1	B	11 12 ,,
20	19.287	20.58	79.1	57.71	79.0	.0495	.8738	19.40.2	L	Noon.
21	19.218	20.45	78.9	57.73	79.0	.0474	.8740	19.41.5	C	1 12 p. m.
22	19.630	20.29	79.2	57.78	79.2	.0448	.8746	19.41.2	C	2 12 ,,
23	19.836	20.17	79.7	57.77	79.8	.0428	.8745	19.41.4	C	3 12 ,,
AUG. 26TH-Noon.	20.247	19.93	79.7	57.73	79.9	.0388	.8740	19.41.7	C	4 12 ,,
1	20.042	19.55	79.7	57.62	80.0	.0326	.8728	19.42.0	R	5 12 ,,
2	20.110	19.67	79.6	57.85	80·0	.0346	.8754	19.42.7	R	6 12 ,,
3	21.345	19.37	79.3	57.90	80.0	.0297	.8759	19.43.6	R	7 12 ,,
4	21.139	19.22	79.3	57.85	80.0	.0272	.8754	19.43.8	R	8 12 ,,
5	21.208	19.23	79.3	57.94	79.7	.0274	.8763	19.44.1	L	9 12 ,,
6	21.208	19.22	79.3	57.94	79.6	.0272	.8763	19.44.1	L	10 12 ,,
7	21.276	19.28	79.4	57.97	79.8	.0282	.8767	19.44.2	L	11 12 ,,
8	21.345	19.36	79.6	57.94	79.8	.0295	.8763	19.43.7	L	Midnight.
9	21.345	19.34	79.1	57.99	79.8	.0292	.8769	19.43.0	C	1 12 a. m.
10	21.895	19.25	79.0	58.05	79.9	.0277	.8776	19.44.5	C	2 12 ,,
11	21.963	19.25	79.1	57.99	79·7	.0277	.8769	19.44.2	R	3 12 ,,

On the 25th, at about 19h. 15m., Dip as obtained by Observation was 18°58'1.

DAILY OBSERVATIONS FROM 26TH TO 29TH AUGUST 1859.

DATE. Göttingen Mean Time. 1859.	Eastern. Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 26TH—12	22'101	19.19	78°7	58.02	79°1	8.0267	2.8772	19°44'4	R	4 12 a. m.
13	22.512	19.16	78.7	58.13	79.2	.0262	.8784	19.45.0	B	5 12 „
14	23.884'	19.10	78.6	58.32	79.1	.0252	.8805	19.46.0	B	6 12 „
15	24.159	19.30	78.6	58.12	79.0	.0285	.8783	19.44.6	C	7 12 „
16	23.473	19.93	79.2	57.68	79.1	.0372	.8735	19.41.8	C	8 12 „
17	21.345	20.49	80.2	57.50	80.0	.0481	.8715	19.39.6	R	9 12 „
18	18.395	21.57	80.1	56.92	80.0	.0658	.8651	19.34.7	R	10 12 „
19	16.955	21.09	80.1	57.20	80.0	.0579	.8682	19.36.9	B	11 12 „
20	15.944	20.73	80.0	57.25	80.0	.0520	.8688	19.37.9	B	Noon.
21	17.503	20.38	79.6	57.80	79.9	.0462	.8748	19.41.1	C	1 12 p. m.
22	18.875	20.05	80.0	58.03	80.0	.0408	.8773	19.42.7	C	2 12 „
23	20.796	19.83	80.2	58.11	80.3	.0372	.8782	19.43.5	R	3 12 „
AUG. 27TH-Noon.	21.758	19.89	80.0	57.86	80.2	.0382	.8755	19.42.5	R	4 12 „
1	21.276	19.64	79.2	57.71	79.5	.0341	.8738	19.42.3	B	5 12 „
2	20.316	19.62	79.3	57.69	79.5	.0337	.8736	19.42.2	B	6 12 „
3	20.522	19.58	79.6	57.84	79.9	.0331	.8752	19.42.9	C	7 12 „
4	20.590	19.41	79.6	57.70	79.9	.0304	.8737	19.42.8	C	8 12 „
5	20.590	19.47	79.5	57.70	80.0	.0314	.8737	19.42.7	R	9 12 „
6	21.002	19.30	79.1	57.80	80.0	.0285	.8748	19.43.3	R	10 12 „
7	21·276	19.35	79.1	57.75	79.9	.0293	.8743	19.43.1	B	11 12 „
8	21.688	19.22	79.3	57.96	79.9	.0272	.8766	19.44.2	B	Midnight.
9	22.032	19.22	79.5	57.95	80.0	.0272	.8765	19.44.2	C	1 12 a. m.
10	22.082	19.32	79.5	57.85	80.0	.0288	.8754	19.43.5	C	2 12 „
11	22.032	19.39	79.4	57.74	80.0	.0300	.8741	19.42.9	C	3 12 „
12	22.101	19.32	79.3	57.74	80.0	.0288	.8741	19.43.0	C	4 12 „
13	22.581	19.32	79.5	57.80	80.0	.0288	.8748	19.43.3	R	5 12 „
14	24.914	19.40	79.6	58.11	80.0	.0302	.8782	19.44.4	R	6 12 „
15	26.012	19.37	79.6	58.10	80.0	.0297	.8781	19.44.4	R	7 12 „
16	23.884	19.68	80.2	58.25	80.3	.0347	.8798	19.44.4	R	8 12 „
17	19.493	20.41	81.0	57.81	80.9	.0468	.8709	19.39.4	B	9 12 „
18	16.955	20.77	81.8	56.79	81.4	.0527	.8637	19.35.9	B	10 12 „
19	17.298	20.70	82.0	57.11	81.9	.0517	.8672	19.37.2	B	11 12 „
20	17.435	20.68	82.2	57.21	82·0	.0511	.8683	19.37.9	B	Noon.
21	13.798	21.23	82.9	57.35	82.4	.0602	.8698	19.37.3	C	1 12 p. m.
22	16.474	21.36	82.9	57.09	82.7	.0623	.8670	19.35.9	C	2 12 „
23	18.875	20.88	81.9	57.27	82.2	.0544	.8690	19.37.8	C	3 12 „
AUG. 29TH-Noon.	26·218	12.36	79.0	60·99	79.7	7.9147	.9090	20.09.4	R	4 12 „
1	25.875	13.36	78.9	61.28	79.4	.9311	.9131	20.11.0	R	5 12 „
2	25.326	13.54	78.9	61.36	79.2	.9341	.9140	20.11.0	L	6 12 „
3	25.326	13.77	78.9	61.86	79.2	.9379	.9195	20.12.6	R	7 12 „
4	24.776	15.17	79.0	61.70	79.3	.9608	.9177	20.08.9	R	8 12 „
5	24.363	15.10	79.2	61.67	79.5	.9596	.9175	20.08.9	L	9 12 „
6	23.335	15.83	79.4	61.49	79.7	.9716	.9154	20.06.5	L	10 12 „
7	22.923	15.84	79.3	61.41	79.8	.9718	.9145	20.06.2	L	11 12 „
8	22.991	15.98	79.5	61.51	79.9	.9730	.9156	20.06.5	L	Midnight.
9	23.198	16.08	79.6	61.58	80.0	.9757	.9164	20.06.3	N	1 12 a. m.
10	23.335	16.24	79.5	61.52	79.9	.9784	.9157	20.06.0	N	2 12 „
11	23.473	16.34	79.4	61.50	79.9	.9800	.9155	20.05.6	N	3 12 „
12	23.473	16.43	79.4	61.50	80.0	.9815	.9155	20.05.3	N	4 12 „
13	24.021	16.54	79.5	61.20	80.0	.9833	.9122	20.03.8	R	5 12 „
14	25.394	16.85	79.8	61.30	80.0	.9883	.9133	20.03.7	R	6 12 „
15	26.080	17.01	79.5	61.32	80.0	.9910	.9135	20.03.4	R	7 12 „
16	25.189	17.86	79.9	60.90	80.0	8.0049	.9080	19.59.3	R	8 12 „
17	22.854	18.43	80.6	60.50	80.1	.0143	.9045	19.56.9	L	9 12 „
18	20.179	18.89	81.5	60·30	80.8	.0218	.9023	19.54.9	L	10 12 „
19	18.395	19.10	82.4	60.12	81.4	.0252	.9003	19.54.7	L	11 12 „
20	17.092	18.89	83·0	59.92	82.2	.0218	.8972	19.52.8	L	Noon.
21	17.435	18.94	83.5	60.09	82.9	.0226	.9000	19.53.9	N	1 12 p. m.
22	18.189	18.70	83.7	60.23	83.2	.0189	.9015	19.55.0	N	2 12 „
23	19.458	18.47	83.8	60.31	83.7	.0150	.9024	19.55.8	N	3 12 „

On the 29th, at about 19h. 15m., Dip as obtained by Observation was 19°00'6.

DAILY OBSERVATIONS FROM 30TH AUGUST TO 1ST SEPTEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
AUG. 30TH-Noon.	20·933	18.21	83°4	60.29	83°7	8.0107	2.9022	19°56'3	N	4 12 p. m.
1	21·895	18.00	83.0	60.22	83.5	.0072	.9014	19.56.5	R	5 12 „
2	22.581	17.86	82.2	60.20	83.2	.0049	.9012	19.56.6	R	6 12 „
3	22.718	17.83	81.9	60.18	82·8	.0044	.9010	19.56.8	R	7 12 „
4	22·101	17·81	81·6	60·21	82.3	.0041	.9013	19.56·9	R	8 12 „
5	21.895	17.87	81·6	60.31	82.3	.0051	.9024	19.57.1	L	9 12 „
6	21.895	17.82	81·3	60.34	82·0	.0042	.9027	19.57.5	L	10 12 „
7	22·101	17.85	81.1	60.44	81.9	.0047	.9038	19.57.7	L	11 12 „
8	22.237	17.93	81.0	60.50	81.7	.0060	.9045	19·57.9	L	Midnight.
9	22.101	17.92	80.9	60.45	81.6	.0053	.9040	19.57.7	N	1 12 a. m.
10	21·758	18.01	80.8	60.55	81.5	.0074	.9051	19.58.0	N	2 12 „
11	21.551	18.04	80.8	60.58	81.3	.0079	.9054	19.58·0	N	3 12 „
12	21.963	18.02	80·8	60.64	81·2	.0075	.9060	19.58.2	N	4 12 „
13	22.101	18·02	80.7	60.71	81·1	.0075	.9068	19.58.5	R	5 12 „
14	24.090	18·03	80·8	60.93	81.0	.0077	.9083	19.59.1	R	6 12 „
15	25.669	18.01	80.9	60·84	81·0	.0074	.9082	19.59.1	R	7 12 „
16	24·983	18.26	81.1	60.36	81·3	.0115	.9030	19.56.5	R	8 12 „
17	21.758	18.98	81·2	59·76	81·4	.0232	.8964	19.52.4	L	9 12 „
18	19.424	19.83	82.2	59.37	81·8	.0372	.8921	19.49.0	L	10 12 „
19	18.189	19.89	83.0	59.39	82.4	.0382	.8923	19.49.0	L	11 12 „
20	17.092	20.07	83.6	59·54	83·0	.0412	.8939	19.49.2	L	Noon.
21	17.023	19.94	83.8	59.74	83·2	.0390	.8961	19.50.2	N	1 12 p. m.
22	17.984	19.75	84.0	60·06	84.0	.0359	.8997	19.52.1	N	2 12 „
23	21.071	19.13	84.0	60.12	84.0	.0257	.9003	19.53.6	N	3 12 „
AUG. 31ST-Noon.	23.130	18.86	83.8	60.12	84.0	.0213	.9003	19.54.3	N	4 12 „
1	22.991	18.67	83.3	59.82	84.1	.0182	.8970	19.53.4	R	5 12 „
2	22.237	18.67	82·9	59.62	83.9	.0182	.8948	19.52·6	R	6 12 „
3	22·787	18.46	82.2	59.81	83.2	.0148	.8969	19.53.6	R	7 12 „
4	22.237	18.40	82.0	59·89	83.0	.0138	.8979	19.54.2	R	8 12 „
5	22.101	18·40	81.8	59·93	82.6	.0138	.8973	19.54.0	L	9 12 „
6	21·688	18.47	81.7	60.02	82.4	.0150	.8992	19.54.5	L	10 12 „
7	21.963	18.42	81.4	60·11	82·3	.0141	.9002	19.55·1	L	11 12 „
8	21·963	18.41	81·4	60.14	82.1	.0140	.9005	19.55.3	L	Midnight.
9	22.032	18.59	81.1	60·25	81·8	.0169	.9018	19.55.4	N	1 12 a. m.
10	21·688	18.57	81·0	60.19	81·6	.0166	.9002	19.54.7	N	2 12 „
11	21·895	18.52	80.9	60·33	81.5	.0157	.9026	19.55.8	N	3 12 „
12	21.551	18.43	80·8	60.34	81.2	.0143	.9027	19.56.2	N	4 12 „
13	22.101	18.36	80.8	60.43	81.1	.0131	.9037	19·56.7	R	5 12 „
14	24.295	18.30	80.2	60.83	81.0	.0121	.9081	19.58.4	R	6 12 „
15	25·120	18.52	80.1	60.82	80·8	.0157	.9080	19.57.9	R	7 12 „
16	25·120	18.83	80.9	60·53	81.0	·0208	.9048	19.56.1	R	8 12 „
17	23·130	19.51	81.7	59.76	81.3	.0320	.8964	19.51.2	L	9 12 „
18	21·139	19.83	82.6	59·44	82·0	.0372	.8928	19.49.3	L	10 12 „
19	18·189	20·26	83.2	59·20	82.5	·0440	.8902	19·47.3	L	11 12 „
20	15·720	20.42	83.9	59·30	83·3	.0469	.8913	19.47.4	L	Noon.
21	16.200	19.94	84.0	57.81	83.6	.0390	.8969	19.50.5	N	1 12 p. m.
22	17.503	19.70	84.4	59.92	84.0	.0351	.8972	19.51.1	N	2 12 „
23	19.836	19.52	84.7	60.13	84.4	.0321	.9015	19.53.3	N	3 12 „
SEPT. 1ST-Noon.	21.415	19.23	84·5	60·24	84·8	.0274	.9016	19.54.0	N	4 12 „
1	23.816	18.91	84.2	59.95	85.0	.0221	.8976	19.53.0	R	5 12 „
2	22.101	18.78	83.5	59.53	84·3	.0200	.8938	19.51.9	R	6 12 „
3	21.619	18.67	83.0	59.70	84.0	.0182	.8957	19.53.0	R	7 12 „
4	21.758	18.59	82.7	59·72	83.3	.0169	.8959	19.53.1	R	8 12 „
5	21.482	18.53	82·2	59·69	83.0	.0159	.8956	19.53.1	L	9 12 „
6	21 826	18·58	82.0	59.78	82.8	.0167	.8966	19.53.3	L	10 12 „
7	21·895	18.67	81·9	59·90	82.6	.0182	.8970	19.53.4	L	11 12 „
8	21.895	18.79	81.6	59.99	82.2	.0202	.8980	19.53.5	L	Midnight.
9	22.337	18.67	81.5	60.06	82.0	.0182	·8997	19.54.5	N	1 12 a. m
10	22.032	19.03	81.4	60.06	82·0	·0241	.8997	19.54.7	N	2 12 „
11	22·032	18.77	81.2	60.17	81.8	.0199	.9008	19.54.6	N	3 12 „

A large disturbance occurred on the 1st September; it was most probably the effect of Aurora Borealis.

DAILY OBSERVATIONS, FROM 1ST TO 4TH SEPTEMBER 1859.

DATE. Göttingen Mean Time. 1850.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.	°									h. m.
SEPT. 1ST—12	22°374	18.78	81°3	60.23	81°8	8.0200	2.9015	19°54'9	N	4 12 a. m.
13	24.159	18.72	81.2	60.37	81·7	.0190	·9031	19·55.6	R	5 12 „
14	26·149	18.56	81.1	60.84	81.4	.0164	·9082	19.57.9	R	6 12 „
15	26.218	18.92	81.2	60·75	81.5	.0222	·9073	19.55.8	R	7 12 „
16	26.629	19.40	81.7	60.26	81.9	.0302	·9019	19.53.7	R	8 12 „
17	22.581	20.37	82.4	59.58	82.0	.0461	.8944	19.48.7	L	9 12 „
18	26.012	18.11	83.3	59.08	82.7	·0090	·8889	19.51.3	L	10 12 „
19	49.202	−2.44	84.2	57.95	83.3	7.6720	.8765	20.30.3	L	11 12 „
20	30.196	17.42	84.9	58.67	84.1	.9977	.8844	19.51.1	L	Noon.
21	22.787	14.34	85.2	59.99	84.5	.9472	.8980	20.03.2	N	1 12 p. m.
22	15.445	14.60	85.3	60.03	85.0	·9514	.8993	20.03.0	N	2 12 „
23	17.778	14.90	85.4	60.41	85.3	.9563	·9035	20.04.0	N	3 12 „
SEPT. 2ND—Noon.	24.469	15.54	85.0	61.15	85.1	.9669	.9917	20.05.8	N	4 12 „
1	19.836	18.26	84.6	60.35	85.0	8.0115	.9029	19·56.4	N	5 12 „
2	19.836	13.22	83.6	59.64	84·7	7.9288	·8950	20.04.2	N	6 12 „
3	19.767	11.04	83.0	60.32	84.0	·8931	.9025	20·11·8	N	7 12 „
4	26.904	12.76	82.9	60.66	83.7	·9213	·9063	20·09.6	N	8 12 „
5	23.884	14.18	82.9	60.36	83.7	.9445	.9030	20·05.2	R	9 12 „
6	23.953	14.06	82.7	60.35	83.2	·9426	.9029	20·05.4	R	10 12 „
7	23.404	15.84	82.5	60.29	83.0	.9718	·9022	20·01·3	R	11 12 „
8	23.198	15 59	82.1	60.84	82.9	·9677	.9082	20.04.2	R	Midnight.
9	23.746	15.71	81.9	60.88	82.6	.9697	.9087	20·04.2	L	1 12 a. m.
10	23.130	17·43	81.7	60.77	82.4	.9987	.9075	19.59.9	L	2 12 „
11	25.051	16.51	81·5	60.99	82.2	.9828	.9090	20.02·6	L	3 12 „
12	24.707	16.87	81.3	61.01	82.0	·9887	.9101	20.02·2	L	4 12 „
13	24.846	16.39	81.2	61.00	81.8	·9808	·9100	20.03·3	N	5 12 „
14	25.669	16.75	81.1	61.10	81.7	··9867	.9111	20.02.9	N	6 12 „
15	26.492	16.82	81.4	61.10	81.6	·9878	.9111	20.02.8	N	7 12 „
16	26.286	17.53	82.0	60.71	82·0	.9995	·9068	19·59.5	N	8 12 „
17	23.816	17.95	82.9	60.32	82.3	8·0063	.9025	19.57·1	L	9 12 „
18	21.415	18.77	83.7	59.87	83.1	·0199	.8976	19.53·3	L	10 12 „
19	19.699	19.24	83.8	59.85	83.2	·0276	·8974	19.52·2	L	11 12 „
20	17.915	19.05	83.0	59.90	82.8	.0244	.8970	19·52·6	L	Noon.
21	16.886	18.93	83.2	59.99	82.9	.0224	.8980	19·53.2	R	1 12 p. m.
22	17.778	18.79	83.0	60.20	82·8	.0202	·9012	19·54.7	R	2 12 „
23	19.356	18.35	83.6	60.59	83.0	.0129	.9055	19·57·4	R	3 12 „
SEPT. 4TH—Noon.	22.444	17.36	81.6	61.06	82.0	7.9967	.9107	20.03.5	N	4 12 „
1	21.139	17.76	80.9	61.00	81.1	8·0033	·9107	20.00·7	C	5 12 „
2	21.758	17.33	80.8	61.08	81.1	7.9962	·9109	20·03·6	C	6 12 „
3	23.267	16.79	80.2	61.39	80.9	.9874	.9143	20.04.2	C	7 12 „
4	22·581	16.99	80.3	60.80	80.8	.9906	.9078	20.01·1	C	8 12 „
5	22.854	17.70	80.0	60.83	80.3	8·0023	.9082	19.59.7	R	9 12 „
6	22.718	17.43	79.9	60.71	80.2	7.9979	·9068	19·59.9	R	10 12 „
7	22.168	17.56	79.2	60.75	80.0	8.0000	·9073	19·59.7	R	11 12 „
8	22.305	17.87	79.5	60.80	80.0	·0051	.9078	19.59.2	R	Midnight.
9	22.649	17.82	79.4	60.90	79.9	·0042	·9080	19.59.5	B	1 12 a. m.
10	22.444	18.09	79.6	60.98	79.9	·0087	·9089	19.59.1	B	2 12 „
11	22.444	18.46	79.6	60.90	80.1	.0148	·9080	19.58·0	B	3 12 „
12	22.444	18.29	79.8	60.76	80.0	·0120	.9074	19·58·1	B	4 12 „
13	22.168	18.27	79.9	60.77	80.1	.0117	·9075	19·58·2	C	5 12 „
14	25.189	18.40	79.7	60.70	80.0	.0138	.9067	19·57.7	C	6 12 „
15	26.012	18.41	79.8	60.94	80.0	·0140	.9084	19.58.3	C	7 12 „
16	25.600	18.96	79.8	60.49	80.0	.0229	·9044	19.55·6	C	8 12 „
17	23.060	19.93	80.5	60·11	80.3	·0338	·9002	19·51.8	R	9 12 „
18	20.933	20.20	80.6	60.11	80.3	.0433	·9002	19·50.3	R	10 12 „
19	19.699	19.40	81.1	60.03	80·9	.0302	.8993	19.52.7	R	11 12 „
20	16.680	21.52	81.7	59.77	81.2	·0649	.8965	19.47.0	R	Noon.
21	17.023	20.47	82.9	59.98	82.0	.0478	.8979	19.49.8	L	1 12 p. m.
22	17·846	20.14	83.0	60.02	82.4	.0423	·8992	19·51.0	L	2 12 „
23	19.973	18·98	83.5	60.12	83.3	·0232	.9003	19·54.0	L	3 12 „

On the 1st, at about 19h. 45m., Dip as obtained by Observation was 18°55'9.

DAILY OBSERVATIONS FROM 5TH TO 7TH SEPTEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
SEPT. 5TH-Noon.	22·101	16.79	82°6	60.19	82°9	7.9874	2.9002	19°58′6	L	4 12 p. m.
1	24.021	16.76	81.9	60.27	82.2	.9869	.9020	19.59.4	C	5 12 „
2	25.394	16.64	81·0	60.36	82.0	.9849	.9030	20.00.0	C	6 12 „
3	22.991	17.12	80.1	60.13	81.1	.9927	.9004	19.57.9	C	7 12 „
4	21.963	16.94	80.2	60.37	81.0	.9898	.9031	19.59.4	C	8 12 „
5	22.991	16.66	80.8	60.54	81.2	.9852	.9049	20.00.7	R	9 12 „
6	22.101	17.97	80.9	60·44	81.2	8.0067	.9038	19.57.5	R	10 12 „
7	22.032	17.66	80.5	60.55	81.0	.0016	.9051	19.58.6	R	11 12 „
8	22.787	17.54	80.5	60.53	81.0	7.9997	.9048	19.58.8	R	Midnight.
9	22.854	17.65	80.2	60.65	80.9	8.0014	.9062	19.59.1	L	1 12 a. m.
10	22.649	17.94	79.9	60.89	80.3	.0062	.9079	19.59.1	L	2 12 „
11	22.512	18.17	79.8	61.06	80.2	.0100	.9107	19.59.8	L	3 12 „
12	23.267	18.20	79.9	61.21	80.2	.0105	.9123	20.00·3	L	4 12 „
13	24.021	18.28	79.9	61.23	80.2	.0118	.9125	20.00.2	C	5 12 „
14	25.600	18.14	79.9	61.25	80.0	.0095	.9128	20.00.6	C	6 12 „
15	25.875	18.30	80.0	61.12	80.0	.0121	.9113	19.59.7	C	7 12 „
16	24.914	18.57	80.0	60.90	80.1	.0166	.9080	19.57.8	C	8 12 „
17	22.854	19.35	80.3	60.23	80.3	.0293	.9015	19.53.7	R	9 12 „
18	19.699	19.76	81.0	59·93	80.9	.0361	.8973	19.51.1	R	10 12 „
19	17.298	19.87	82.1	59.87	81.7	.0379	.8976	19.51·0	R	11 12 „
20	16.200	19·69	83.0	59.81	82.2	.0349	.8969	19.51.0	R	Noon.
21	16.474	19.31	83.4	60.03	82.8	.0287	.8993	19.52.8	L	1 12 p. m.
22	17.984	19.46	83.4	60.05	83.3	.0312	.8996	19·52.7	L	2 12 „
23	20.453	17.97	83.5	60.35	83.4	.0067	.9029	19.57.1	L	3 12 „
SEPT. 6TH-Noon.	20.110	17.57	81.9	60.21	82.1	.0002	.9013	19.57.4	L	4 12 „
1	20.659	17.81	81.7	60.31	82.0	.0041	.9024	19.57.3	C	5 12 „
2	21.895	17.71	81·0	60.46	81.9	.0025	.9041	19.58.1	C	6 12 „
3	21.688	17.70	81.1	60.48	81.9	.0023	.9043	19.58.3	C	7 12 „
4	22.237	17.60	80.9	60.54	81.4	.0006	.9049	19.58.7	C	8 12 „
5	22.168	17.40	80.9	60.64	81·4	7.9974	.9060	19.59.6	R	9 12 „
6	22.168	17.37	80.9	60.64	81.2	.9969	.9060	19.59.6	R	10 12 „
7	21.415	17.39	80.8	60.63	81.1	.9972	·9059	19.59.6	R	11 12 „
8	22.237	18.08	80.5	60.70	81.0	8.0085	.9067	19.58.3	R	Midnight.
9	22.649	18.30	80.2	60.68	80.9	.0121	.9065	19.57.8	L	1 12 a. m.
10	22.854	18.26	80.3	60.72	80.8	.0115	.9069	19.57.9	L	2 12 „
11	23.335	18.15	80.0	60.73	80.3	.0096	.9070	19.58.3	L	3 12 „
12	23.473	18.25	79.9	60.84	80.1	.0113	.9082	19.58.6	L	4 12 „
13	23.404	18.34	79.9	60.89	80.1	.0128	.9088	19.58.6	C	5 12 „
14	25.532	18.25	80.0	61.02	80.1	.0113	.9102	19.59.4	C	6 12 „
15	26.492	18.08	79.9	60.92	80·0	.0085	.9082	19.58.8	C	7 12 „
16	25.943	18.33	80.0	60.60	80.0	.0126	.9056	19.57.5	C	8 12 „
17	24.021	18.82	80.3	60.21	80.3	.0206	.9013	19.54.7	R	9 12 „
18	21.551	19.28	81.3	59.93	81.0	.0282	.8973	19.52.2	R	10 12 „
19	19.013	19.60	81.9	59.76	81.2	.0334	.8964	19.51.2	R	11 12 „
20	17.709	19.50	81.3	59.93	81.0	.0318	.8973	19.51.6	R	Noon.
21	17.572	19.42	81.3	60.21	81.1	.0305	.9013	19.53.4	L	1 12 p. m.
22	18.670	19.45	81.7	60.49	81.4	.0310	.9044	19.53.6	L	2 12 „
23	20.388	19.15	81.1	60.59	81.2	.0260	.9055	19.55.7	L	3 12 „
SEPT. 7TH-Noon.	21.619	19.07	80.7	60.55	81.0	.0248	.9051	19.55.6	L	4 12 „
1	21.619	19.02	80.1	60.46	80.4	.0239	.9041	19.55.4	C	5 12 „
2	21.551	18.97	80.0	60.52	80.3	.0231	.9047	19.55.8	C	6 12 „
3	21.345	18.87	80.2	60.62	80.4	.0215	.9058	19.56.3	C	7 12 „
4	21.758	18.79	80.0	60.69	80.2	.0200	.9066	19.56.4	C	8 12 „
5	21.415	18.86	80.1	60.69	80.3	.0213	.9066	19.56.8	R	9 12 „
6	21.345	18.84	80·1	60.71	80.3	.0210	.9068	19.56.8	R	10 12 „
7	21.551	18.80	80.0	60.71	80.3	.0203	9068	19.56.9	R	11 12 „
8	21.758	18.77	80.0	60.71	80.3	.0199	.9068	19.56.9	R	Midnight.
9	22.305	18.69	79.9	60.76	80.2	.0185	.9074	19.57.2	L	1 12 a. m.
10	22.668	18.77	79.8	60.72	80.1	.0199	.9069	19.56.9	L	2 12 „
11	22.305	18.84	79.5	60.72	80.0	.0210	.9069	19.56.8	L	3 12 „

On the 5th, at about 19h., Dip as obtained by Observation was 19°05′6.

DAILY OBSERVATIONS FROM 7TH TO 9TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 7th—12	22·718	18.84	79°3	60.79	79°8	8·0210	2.9077	19°57′2	L	4 12 a. m.
13	23.198	18·77	79.2	60.94	79.8	.0199	.9084	19.57·5	C	5 12 „
14	25.189	18.59	79.3	61.20	79.8	·0169	·9122	19.59·4	C	6 12 „
15	25.463	18.28	79.6	60.84	79.8	.0118	.9082	19.58·4	C	7 12 „
16	23·884	18.54	79.6	60.14	79·9	.0161	.9005	19.55.0	C	8 12 „
17	21.345	19·14	80.4	59.74	80.1	.0259	.8961	19.51.9	R	9 12 „
18	18.738	19.80	81.6	59.23	81.1	.0367	.8905	19.48·4	R	10 12 „
19	15.926	20.26	82.3	59.30	81·7	.0443	.8913	19.47.8	R	11 12 „
20	15.583	20.32	82.9	59.72	82·2	.0452	.8959	19.49.4	R	Noon.
21	16·543	20.11	83.2	59.88	82.6	.0418	.8977	19.50.5	L	1 12 p. m.
22	18.258	19.88	83.3	60.14	83.1	.0380	.9005	19.52.2	L	2 12 „
23	19.973	19.54	83.0	60.24	83.0	.0325	.9016	19.53.2	L	3 12 „
Sept. 8th-Noon.	23.335	19.37	82·7	60.31	82.9	·0297	.9024	19.53.9	L	4 12 „
1	22.787	19.17	81.2	60.08	82.1	.0264	.8999	19.53.4	C	5 12 „
2	22.444	19.00	80.6	60.12	81.7	.0236	.9003	19.53.9	C	6 12 „
3	21·415	18.78	80.9	60.27	81.5	.0200	.9020	19.55.1	C	7 12 „
4	21.758	18·59	80.7	60.32	81.0	.0169	.9025	19.55.7	C	8 12 „
5	21.276	18.78	80.7	60.33	81·0	.0200	.9026	19.55.3	R	9 12 „
6	21.758	18.86	79.8	60.50	80.2	.0213	.9045	19.56.0	R	10 12 „
7	21.619	18.94	79.9	60.39	80.2	.0226	.9033	19.55.2	R	11 12 „
8	22.168	18·88	80·0	60.39	80.3	.0216	.9033	19.55.3	R	Midnight.
9	22.444	18.73	79.9	60.53	80.3	.0192	.9048	19.56.3	L	1 12 a. m.
10	22.444	18.84	79·9	60.56	80.3	.0211	.9052	19.56.2	L	2 12 „
11	22·718	19.06	79.8	60.56	80.2	.0246	.9052	19.55.6	L	3 12 „
12	22.168	19.10	79.7	60.55	80.1	.0252	.9051	19.55·6	L	4 12 „
13	22.305	19.00	79.7	60.69	80.0	.0236	.9066	19.56.3	C	5 12 „
14	24·639	18·80	79.8	60.97	80.0	.0203	.9088	19.57.7	C	6 12 „
15	26.835	19.56	79.7	60.82	80.0	.0328	.9080	19.55.7	C	7 12 „
16	27.521	18.77	80.4	60.40	80.1	.0199	.9034	19.55.6	C	8 12 „
17	24.295	19.38	81.0	59.79	81·0	.0298	.8967	19.51.7	R	9 12 „
18	21.276	19.78	82.0	59.45	81.6	.0364	.8930	19.49.5	R	10 12 „
19	19.013	19.91	82.5	59.46	82.0	.0385	.8931	19.49.1	R	11 12 „
20	17.915	20.10	83.0	59.48	82.5	.0416	·8933	19.48.8	R	Noon.
21	18·670	20.00	83.4	59.73	82.8	.0400	.8960	19.50.1	L	1 12 p. m.
92	20.179	19.72	83.0	59.90	82.7	.0354	.8970	19.51.1	L	2 12 „
23	21.415	19.55	83.2	59.94	83.1	.0326	·8974	19.51.5	L	3 12 „
Sept. 9th-Noon.	21·826	19.35	82.6	59.78	82.6	.0293	.8966	19.51.7	L	4 12 „
1	21.345	19·36	81.6	59.78	82.0	.0295	.8966	19.51.6	C	5 12 „
2	20.659	19.33	81.3	59.91	82.0	.0290	·8971	19.51.9	C	6 12 „
3	20.933	19.15	81.0	60·11	82.0	.0260	.9002	19.53.5	C	7 12 „
4	21.139	19.06	80.9	60.12	81.5	.0246	.9003	19.53.7	C	8 12 „
5	21·345	19·05	80.4	60.13	81.1	·0244	.9004	19.53.9	R	9 12 „
6	21.276	19.02	80.4	60.23	80.9	.0239	.9015	19.54.4	R	10 12 „
7	21.688	19.04	80.6	60.32	80.8	.0243	.9025	19.54.8	R	11 12 „
8	22.032	19.02	80.6	60.32	80.7	.0239	·9025	19.54.8	R	Midnight.
9	22.444	18.86	80.0	60.11	80.3	.0213	.9002	19.54·2	L	1 12 a. m.
10	22.305	19.03	79.5	60.15	80.0	.0241	.9007	19.54.1	L	2 12 „
11	22.305	19.07	79.7	60.20	80.0	.0248	.9012	19.54.4	L	3 12 „
12	22.101	19.11	79.6	60.22	79.9	.0254	.9014	19.54.1	L	4 12 „
13	22.444	19.10	79.6	60.38	79.8	.0252	.9032	19.54.8	C	5 12 „
14	23.816	19.11	79.5	60.60	79.7	.0254	.9056	19.55.8	C	6 12 „
15	25 189	19.23	79·8	60.55	79.5	.0274	.9051	19.55.4	C	7 12 „
16	25.394	19.50	80.0	60.18	79.8	.0318	.9010	19·53.1	C	8 12 „
17	23.746	19.98	80·1	59.70	80.0	.0396	·8957	19.50.1	R	9 12 „
18	22.101	20.39	80.0	59.52	80.3	.0464	.8937	19.48.5	R	10 12 „
19	19.973	20.65	82.0	59.24	81.4	.0506	·8906	19.46.6	R	11 12 „
20	18.875	20.66	82.9	59.46	82.0	.0508	·8931	19.47.6	R	Noon.
21	18.738	20.24	81.6	59.54	81.2	.0440	.8939	19.48.8	L	1 12 p. m.
22	19.836	20.09	82.4	59.77	81.8	.0415	.8965	19.50.0	L	2 12 „
23	20.796	19.59	81.6	59.96	81.2	.0333	.8977	19.51.7	L	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 19°10′0.
On the 9th, at about 19h. 25m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 11TH TO 13TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
SEPT. 11TH-Noon.	21·276	19.74	81·4	60.26	81·9	8.0358	2.9019	19°52′9	R	4 12 p. m.
1	20.933	19.60	81.0	60.09	81.5	.0334	.9000	19.52.6	C	5 12 ,,
2	20.659	19.57	80.7	60.13	81.3	.0330	.9004	19.52.7	C	6 12 ,,
3	20.796	19.36	80.1	60·13	81.1	·0295	.9004	19.53.1	C	7 12 ,,
4	21.071	19.28	80.0	60.20	81.0	·0282	.9012	19.53.7	C	8 12 ,,
5	21.071	19.30	80.1	59.83	81.0	.0285	.8971	19·51.9	C	9 12 ,,
6	21 482	19.18	80.4	60.03	81.0	.0265	.8993	19.53.1	R	10 12 ,,
7	22.032	18.90	80.3	60.13	80.9	·0219	.9004	19.54.1	R	11 12 ,,
8	22.649	18.77	80.3	60.13	80.9	.0199	.9004	19.54.4	R	Midnight.
9	22.237	19.19	80.2	60.14	80.6	.0267	·9005	19.53.6	B	1 12 a. m.
10	22.168	19.14	80.1	60.14	80.5	.0259	.9005	19.53.7	B	2 12 ,,
11	22.032	19.16	80.0	60.16	80.4	.0262	.9008	19.53.8	B	3 12 ,,
12	22.168	19.11	79.9	60.19	80.3	.0254	.9011	19.54.0	B	4 12 ,,
13	22.787	19.16	79.8	60.29	80.1	.0262	.9022	19.54.3	C	5 12 ,,
14	23.884	19.25	79.9	60.39	80.1	.0277	.9833	19.54.6	C	6 12 ,,
15	24.502	19.35	80.0	60.26	80.2	.0293	.9019	19.53.8	C	7 12 ,,
16	24.983	19.73	80.7	59.71	80.4	.0356	.8958	19.50.6	C	8 12 ,,
17	21.002	20.32	80.7	59.32	80.7	.0452	.8915	19.47.7	R	9 12 ,,
18	19·356	20.72	81.3	59.16	81.3	.0518	.8897	19.46.1	R	10 12 ,,
19	17.641	20.94	82.3	59·18	81.9	.0554	.8900	19·45.6	R	11 12 ,,
20	17.298	20.61	83.1	59.32	82.2	.0500	.8915	19.47.1	R	Noon.
21	17.503	20.31	83·6	59.43	82.6	·0451	.8927	19.48.2	L	1 12 p. m.
22	19.081	20.21	83.8	59 68	83.2	.0435	.8955	19·49.5	L	2 12 ,,
23	19.904	20.10	83.6	59.72	83.3	.0416	.8959	19.49·8	L	3 12 ,,
SEPT. 12TH-Noon.	20.728	19.85	83.1	59.94	83.0	.0375	·8961	19.50.4	L	4 12 ,,
1	20.933	19.76	82.4	59.54	82.9	.0361	.8939	19.49.8	C	5 12 ,,
2	20.796	19.57	82.0	59.48	82.5	.0330	.8930	19.49.9	C	6 12 ,,
3	20.659	19.35	81.5	59.56	82.1	.0293	.8942	19.50.8	C	7 12 ,,
4	20.659	19.33	81.1	59.74	82.0	.0290	.8961	19·51.5	C	8 12 ,,
5	20.728	19·33	81·1	59.66	82.0	.0290	.8953	19.51.3	R	9 12 ,,
6	21·208	19.19	81.0	59·53	81.9	.0267	.8938	19.51.0	R	10 12 ,,
7	21.482	19.21	80.9	59.55	81.7	.0271	.8941	19.51.1	R	11 12 ,,
8	21.619	19.31	80.8	59.64	81.5	.0287	.8950	19.51.2	R	Midnight.
9	21.619	19.20	80·3	59.51	81.0	·0269	.8936	19.50.9	L	1 12 a. m.
10	21.551	19.18	80.3	59.56	81.0	.0265	·8942	19.51.1	L	2 12 ,,
11	21.826	19.28	80.5	59·63	81·0	.0282	.8949	19·51.3	L	3 12 ,,
12	21·963	19.14	80.2	59.67	80.7	.0259	.8954	19.51·7	L	4 12 ,,
13	22.101	19.23	80.0	59.86	80.7	.0274	.8975	19·52.4	C	5 12 ,,
14	24.432	19.19	79.9	60.09	80.5	.0267	.9000	19.52.4	C	6 12 ,,
15	25.326	19.23	79.9	59.91	80.5	.0274	.8971	19 52.2	C	7 12 ,,
16	24.983	19.54	80.2	59.63	82·5	.0325	.8949	19.50.6	C	8 12 ,,
17	23.198	19.90	80.9	59·33	80.9	.0083	.8916	19·48.9	R	9 12 ,,
18	20.728	20.19	81·1	59.01	81.1	.0431	.8881	19.47.6	R	10 12 ,,
19	19.013	19.74	82.2	58.96	82.0	.0358	.8867	19.47.0	R	11 12 ,,
20	18.944	19.52	82.9	59.17	82·3	.0321	.8899	19.48.7	R	Noon.
21	18.944	19.07	83.5	59.29	83.0	.0248	.8912	19.50.1	L	1 12 p. m.
22	20.179	19.07	84.0	59.39	83.5	.0248	.8923	19.50.6	L	2 12 ,,
23	20.865	19.30	84.2	59.24	83·9	.0285	.8906	19.49·4	L	3 12 ,,
SEPT. 13TH-Noon.	21.002	19.26	83.9	59.10	83.7	.0279	.8891	19.49.0	L	4 12 ,,
1	20.796	19.10	83.1	58.99	83·6	.0252	.8870	19.48.5	C	5 12 ,,
2	20.247	19.21	82.8	59.06	83.6	·0271	.8887	19.49.1	C	6 12 ,,
3	21.208	19.13	81.9	59.08	82·6	.0257	.8889	19.49.1	C	7 12 ,,
4	21.276	18.45	81.4	59.36	81.9	.0146	.8920	19.51.8	C	8 12 ,,
5	21.958	18.29	81.2	59.46	82.0	.0120	·8931	19.52.6	R	9 12 ,,
6	22.101	18.92	81·1	59.38	81·9	.0222	.8922	19.50.9	R	10 12 ,,
7	22.032	18.63	81.0	59.55	81.8	.0175	.8941	19.52.3	R	11 12 ,,
8	22.444	18.66	80.9	59.75	81.7	.0180	.8963	19.53.1	R	Midnight.
9	22.444	19.03	80.8	59.80	81.6	.0241	.8968	19.52.5	L	1 12 a. m.
10	22.374	18.78	80.6	59.80	81·5	.0200	.8968	19·53.0	L	2 12 ,,
11	21.963	18.97	80.6	59.82	81·4	.0231	.8970	19.52.7	L	3 12 ,,

On the 12th, at about 19h. 30m., Dip as obtained by Observation was 19°05′6.

DAILY OBSERVATIONS FROM 13TH TO 15TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 13th—12	22·237	18.88	80°7	59.92	81°4	8.0216	2.8972	19°52'8	L	4 12 a.m.
13	22.787	18.88	80.7	60.04	81.4	.0216	.8994	19.53.7	C	5 12 „
14	25.257	18.76	80·4	60.19	81.2	.0197	.9011	19.54.7	C	6 12 „
15	25.737	18.78	80.6	60.05	81.0	.0200	.8996	19.54.1	C	7 12 „
16	25.189	18.88	80.9	59.71	81.0	.0216	.8958	19.52.4	C	8 12 „
17	23.473	19.34	81.9	59·25	81·8	.0292	.8908	19.49.5	R	9 12 „
18	20.728	19.85	82.0	58.87	82.2	.0375	.8866	19.46·7	R	10 12 „
19	19.699	19.37	82.8	59.00	82.3	.0297	.8880	19.48.3	R	11 12 „
20	18.327	19.36	83.7	58.89	83.0	.0295	.8868	19.47.8	R	Noon.
21	18.670	19.33	84.0	59.10	83.3	.0290	.8891	19·48.8	L	1 12 p.m.
22	19.636	19.24	84.2	59.30	83·9	.0276	.8913	19.49.9	L	2 12 „
23	22.032	19.18	84.3	59.33	84.3	.0265	.8916	19.50.1	L	3 12 „
Sept. 14th-Noon.	22.854	19.15	84.2	59.06	84.8	.0260	·8887	19.49.1	L	4 12 „
1	21.758	19.14	83.9	58.74	85.0	.0259	.8851	19.47.7	C	5 12 „
2	21·071	19·16	83.0	58.83	84.4	.0262	.8861	19.48.0	C	6 12 „
3	22.237	19.06	82.1	59.12	83.9	.0246	·8893	19.49.4	C	7 12 „
4	21.415	19.03	82.0	59.12	83.4	.0241	.8893	19.49·6	C	8 12 „
5	21.208	19.09	81.9	58·81	83.0	.0251	.8859	19.48.1	R	9 12 „
6	21.415	19.01	81.7	59.08	82.8	.0238	.8889	19.49.4	R	10 12 „
7	21.895	19.03	81.3	59.38	82·5	.0241	.8922	19.50.7	R	11 12 „
8	22.101	19.06	81.1	59.45	82.3	.0246	.8930	19.50.9	R	Midnight.
9	21.415	19.35	81.0	59.59	82.1	.0293	.8945	19.51.0	L	1 12 a.m.
10	21.415	19.30	80·9	59.56	82.0	.0285	·8942	19.50.8	L	2 12 „
11	21·276	19.21	80.6	59.63	81.7	.0271	.8949	19.51.4	L	3 12 „
12	21.071	19.52	80.5	59.77	81.5	.0321	.8965	19.51·3	L	4 12 „
13	21.415	19.25	80·6	59.83	81.5	.0277	.8971	19.52.1	C	5 12 „
14	22.923	18.99	80.7	60.22	81.3	.0234	.9014	19.54.4	C	6 12 „
15	24.295	18.89	80.8	60·25	81.1	.0218	.9018	19.54.7	C	7 12 „
16	24.639	19.03	81.0	59.87	81.2	.0241	.8975	19.52.8	C	8 12 „
17	23.060	19.35	82.0	59·38	82.0	.0293	.8922	19.50.0	R	9 12 „
18	20.590	19.35	83.0	58.94	82.5	.0293	.8868	19.47.7	R	10 12 „
19	18.875	19·17	83.4	58.92	83.0	.0264	.8862	19.48.0	R	11 12 „
20	18·189	19.27	83.9	59·00	83.3	.0281	.8880	19.48.6	R	Noon.
21	19.287	18.77	84.1	59.36	83.8	.0199	.8920	19·51.1	L	1 12 p.m.
22	20.179	18.79	84.4	59.48	84·2	.0200	.8933	19.51.7	L	2 12 „
23	21.895	18.53	84.3	59.52	84.8	·0159	.8937	19.52.4	L	3 12 „
Sept. 15th-Noon.	22.718	18.46	84·3	59.41	85.2	.0148	.8925	19.52.0	L	4 12 „
1	22.923	18.49	83.9	59.15	85.0	.0153	.8896	19.50.9	C	5 12 „
2	22.444	18.40	83·2	59.09	84.8	.0138	.8890	19.50.8	C	6 12 „
3	22.374	18.29	82.7	59.12	84.1	.0120	.8893	19.51.1	C	7 12 „
4	21.895	18.32	82·3	59.28	83.8	.0124	·8911	19.51.8	C	8 12 „
5	21.619	18.49	82.2	59.44	83.5	.0153	.8928	19.52.1	R	9 12 „
6	21.688	18.64	82·1	59.38	83.1	·0177	.8922	19.51.5	R	10 12 „
7	22.032	18.87	81.9	59.39	83.0	.0215	.8923	19.51.0	R	11 12 „
8	21.688	18.81	81.7	59.43	82.8	.0205	.8927	19.51.4	R	Midnight.
9	22.032	18.79	81.2	59.52	82.4	.0200	.8937	19.51.9	L	1 12 a.m.
10	21.753	18.82	81.0	59.57	82.2	.0206	.8943	19.52.0	L	2 12 „
11	21.688	18.91	81.0	59.67	82.2	.0221	.8954	19.52.2	L	3 12 „
12	21.826	19.01	80.8	59.68	82.0	.0238	.8955	19.52·1	L	4 12 „
13	22.305	19.11	80.9	59.91	81·9	.0254	.8971	19.52.4	C	5 12 „
14	24.502	19.01	80.5	60.14	81.2	.0238	.9005	19.54.0	C	6 12 „
15	25.532	18.75	80.4	59.99	81.2	.0195	.8980	19·53.5	C	7 12 „
16	25.189	18·95	80.9	59.58	81.4	.0227	.8944	19.51.7	C	8 12 „
17	22·854	19.41	82.0	59.06	82.0	.0304	.8887	19·48.6	R	9 12 „
18	20.453	19·85	83.0	58·68	82·7	.0375	.8845	19·46.0	R	10 12 „
19	18·121	20.05	83·7	58.49	83.0	.0408	.8824	19.44.7	R	11 12 „
20	17.435	20.11	84.0	58.71	83.7	.0418	.8848	19.45.5	R	Noon.
21	17.298	20·15	84·5	58.94	84.0	.0424	.8864	19.46.0	L	1 12 p.m.
22	18.944	19.92	85.0	59.15	85.0	.0386	.8896	19.47.8	L	2 12 „
23	20.453	19.67	85.1	59.21	85.4	.0346	.8903	19.48.5	L	3 12 „

On the 15th, at about 19h. 30m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS FROM 16TH TO 19TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 16th-Noon.	22·032	19.30	85·0	59.32	85·7	8.0285	2.8915	19°42'8	L	4 12 p. m.
1	23.473	19.29	84.2	59.18	85.7	.0284	.8900	19.49.4	C	5 12 „
2	23.649	18.89	83.3	59.05	84.9	.0218	.8886	19.49.5	C	6 12 „
3	22.718	18.47	82.9	59.10	84.1	.0150	·8891	19.50.6	C	7 12 „
4	22.923	18.22	82.6	59.25	83.9	.0108	.8908	19.51.9	C	8 12 „
5	22.991	18.22	82.4	59.41	83.5	.0108	.8925	19.52.6	R	9 12 „
6	22.854	18.23	82.0	59.50	83.2	.0110	.8935	19.53.0	R	10 12 „
7	22.101	18.56	81.9	59.60	83.0	.0164	.8946	19.52.7	R	11 12 „
8	21.688	18.62	81.9	59.73	83.0	.0173	.8960	19.53.1	R	Midnight.
9	21.551	18.63	81.8	59.77	83.0	.0175	.8965	19.53.2	L	1 12 a. m.
10	21.758	19.06	81.5	59.86	82.6	.0246	.8975	19.52.6	L	2 12 „
11	22.168	19.02	81.3	59.96	82.5	.0239	.8977	19.52.9	L	3 12 „
12	21.895	19.12	81.3	59.92	82.3	.0255	.8972	19.52.3	L	4 12 „
13	22.305	19.12	81.0	60.08	82.0	.0255	.8999	19.53.1	C	5 12 „
14	23.953	18.98	81.0	60.36	81.9	.0232	.9030	19.55.1	C	6 12 „
15	25.532	18.71	81.3	60.33	81.9	.0189	.9026	19.55.4	C	7 12 „
16	25.326	18.97	81.8	60.01	82.1	.0231	.8991	19.53.5	C	8 12 „
17	23.404	19.33	82.7	59.56	82.7	.0290	.8942	19.50.8	R	9 12 „
18	20.522	19.65	83.1	59.19	83.0	.0342	.8901	19.48·6	R	10 12 „
19	19.013	19.52	83.7	59.31	83.3	.0321	.8914	19.49.3	R	11 12 „
20	17.915	19.51	84.0	59.44	84.0	.0320	.8924	19.49.7	R	Noon.
21	17.778	19.31	84.3	59.44	84.1	.0287	.8924	19.50.3	L	1 12 p. m.
22	18.670	19.48	84.1	59.68	84.2	.0315	.8955	19.51.0	L	2 12 „
23	20.385	19.22	84.1	59.71	84.4	.0272	.8958	19.51.8	L	3 12 „
Sept. 18th-Noon.	21.345	19.51	83.4	59.76	84.5	.0320	.8964	19.51.2	C	4 12 „
1	21.688	19.38	83.0	59.82	84.0	.0298	.8970	19.51.8	C	5 12 „
2	21.415	19.23	82.4	59·83	83.8	.0274	.8971	19.52.2	C	6 12 „
3	21.208	19.17	82.0	59.94	83.4	.0264	.8974	19.52.4	C	7 12 „
4	21.208	19.09	81.9	59.98	83.0	.0251	.8979	19.52.7	C	8 12 „
5	21.208	19.03	81.7	59.99	82.9	.0241	.8980	19.53.0	R	9 12 „
6	21.139	19.09	81.7	59.98	82.8	.0251	.8979	19.52.7	R	10 12 „
7	21.482	19.21	81.5	60.28	82.5	.0271	.9021	19.54.2	R	11 12 „
8	21.415	19.08	81.3	60.27	82.3	.0249	.9020	19.54.4	R	Midnight.
9	21.963	18.98	81.1	60.32	82.2	.0232	.9025	19.54.9	B	1 12 a. m.
10	21.002	19.41	81.0	60.26	82.0	.0304	.9019	19.53.7	B	2 12 „
11	21.619	19.06	80.7	60.36	81.9	.0246	.9030	19.54.8	B	3 12 „
12	22.101	19.09	80.6	60.40	81.9	.0251	.9034	19.54.9	B	4 12 „
13	22.032	19.12	80.8	60.44	81.8	·0255	.9038	19.55.0	C	5 12 „
14	22.854	19.09	81.0	60.64	81.8	.0251	.9060	19.55.9	C	6 12 „
15	24.570	18.97	80.7	60.87	81.5	.0231	.9085	19.57.2	C	7 12 „
16	25.051	19.15	80.3	60.71	81.2	.0260	.9068	19.56.1	C	8 12 „
17	24.502	19.58	81.0	60.35	81.6	.0331	.9029	19.53.7	R	9 12 „
18	22.854	20.01	82.0	59.88	82.0	.0402	.8977	19.50.8	R	10 12 „
19	21.482	20.08	82.4	59.68	82.5	.0413	.8955	19.49.9	R	11 12 „
20	19.561	20.24	83·0	59.49	83.0	.0440	.8934	19.48.6	R	Noon.
21	18.670	20.30	83.4	59.72	83.3	.0449	.8959	19.49.4	L	1 12 p. m.
22	19.493	20.10	83.6	59.86	83.7	.0416	.8975	19.50.4	L	2 12 „
23	19.316	19.75	83.6	59.87	84.0	.0359	.8976	19.51·3	L	3 12 „
Sept. 19th-Noon.	21.208	19.53	83.4	59.91	84.3	.0323	.8971	19.51.5	L	4 12 „
1	21.415	19.50	83.0	59.92	84.0	.0318	.8972	19.51.5	C	5 12 „
2	21.276	19.48	82.6	59.95	83.7	.0315	.8976	19.51.7	C	6 12 „
3	21.345	19.30	82.1	60.10	83.2	.0285	.9001	19.53.1	C	7 12 „
4	21.482	19.12	82.0	60.00	83.0	·0255	.8990	19.53.1	C	8 12 „
5	21.415	19.04	81.9	59.99	83.0	.0243	.8980	19.53.0	R	9 12 „
6	21.345	18.91	81.7	60.08	82.8	.0221	.8999	19.53.9	R	10 12 „
7	21.415	19.03	81.4	60.15	82.5	.0241	.9007	19.54.1	R	11 12 „
8	21.619	19.15	81.1	60.47	82.2	.0260	.9042	19.55.1	R	Midnight.
9	21.551	19.23	81.1	60.55	82.2	.0274	.9051	19.55.4	B	1 12 a. m.
10	21.551	19.23	81.1	60.55	82.2	.0274	.9051	19.55.4	B	2 12 „
11	21.415	19.30	81.1	60.59	82.2	.0285	.9055	19.55.3	B	3 12 „

On the 16th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 19TH TO 21ST SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 19th—12	21·415	19.32	81·2	60.59	82·2	8.0288	2.9055	19°55′3	B	4 12 a. m.
13	21.415	19.32	81.2	60.74	82.0	.0288	.9071	19.55.8	C	5 12 „
14	22.101	19.28	81.2	60.85	82.0	·0282	.9084	19.56.5	C	6 12 „
15	23 816	19.18	81.2	61.01	82·0	.0265	.9101	19.57.3	C	7 12 „
16	24.502	19.50	81.5	60.84	82.0	.0318	.9082	19.55.8	C	8 12 „
17	23.953	19.81	81.5	60.57	82.2	.0369	·9053	19.54.2	R	9 12 „
18	22.718	19.99	81.0	60.36	82.0	.0398	.9030	19.52.9	R	10 12 „
19	20.796	20.27	82.1	60.17	82.3	.0445	.9008	19.51.3	R	11 12 „
20	19.218	20.38	83.3	59.99	83.1	.0462	·8980	19.50.1	R	Noon.
21	18.807	20·29	83.3	60.00	83.3	.0448	.8990	19.50.6	L	1 12 p. m.
22	19.493	20.13	83.0	60.25	83.2	.0421	.9018	19.52.1	L	2 12 „
23	20.385	20.01	83.5	60.36	83.6	·0402	.9030	19.52.9	L	3 12 „
Sept. 20th-Noon.	21.345	19.68	83.0	60.23	80.8	.0347	.9015	19.52.9	L	4 12 „
1	21.139	19.64	82.6	60.12	83.4	.0341	.9003	19.52.6	C	5 12 „
2	20.659	19.56	82.3	60.13	83.1	.0328	.9004	19.52.7	C	6 12 „
3	21.208	19.36	82·0	60.29	83.0	.0295	.9022	19.53.8	C	7 12 „
4	21.276	19.22	82.0	60.30	83.0	.0272	.9023	19.54.3	C	8 12 „
5	21.415	19.15	81.8	60.40	82·7	.0260	.9034	19.54.8	R	9 12 „
6	21.415	19.18	81.7	60.41	82.7	.0265	.9035	19.54.8	R	10 12 „
7	21.415	19·24	81.6	60.47	82.3	.0276	.9042	19.54.9	R	11 12 „
8	21.482	19.22	81.3	60.47	82.2	.0272	.9042	19.55.0	R	Midnight.
9	21.415	19.26	81.2	60.49	82.2	.0279	.9044	19.55.0	B	1 12 a. m.
10	21.482	19.37	81.1	60.52	82.2	.0297	.9047	19.54.9	B	2 12 „
11	21.276	19.30	81.1	60.51	82.1	.0285	.9046	19.54.9	B	3 12 „
12	21.208	19.27	81.0	60.62	82.0	.0281	·9058	19.55.6	B	4 12 „
13	21.276	19.28	81.0	60.64	82.0	.0282	.9060	19·55·6	C	5 12 „
14	21.963	19.28	81.0	60.80	82·0	.0282	.9078	19.56.3	C	6 12 „
15	23.404	19.25	81.0	60·56	81.9	.0277	.9052	19.55.3	C	7 12 „
16	24·159	19.66	81.9	60.32	82.0	.0344	·9025	19.53·5	C	8 12 „
17	23.816	20.20	83.0	60.09	83.0	·0433	.9000	19.51.3	R	9 12 „
18	22.787	20.57	83.2	59.79	80.1	.0494	.8967	19·49.2	R	10 12 „
19	21·688	20.69	84.0	59.51	83.7	.0513	.8936	19.47.8	R	11 12 „
20	20.933	20.49	84.0	59.43	84.0	.0481	.8927	19.47.9	R	Noon.
21	20.796	20.23	84.0	59.49	84.5	.0438	.8934	19.48.6	L	1 12 p. m.
22	20.728	20.21	84.9	59.53	84·9	.0435	.8938	19.48.8	L	2 12 „
23	21.432	19.86	84.1	59·66	84.6	.0377	.8953	19·50·2	L	3 12 „
Sept. 21st-Noon.	21.758	19·62	83.4	59.68	84.2	.0337	.8955	19.50.8	L	4 12 „
1	21.345	19.48	83·0	59.57	84.0	.0315	.8943	19.50.5	C	5 12 „
2	21.139	19.49	82.9	59.65	83.7	.0317	.8952	19.50.8	C	6 12 „
3	21.415	19.25	82.0	59.79	83.4	.0277	.8967	19.52.0	C	7 12 „
4	21.963	19.12	81.5	59.82	82·9	.0255	.8970	19.52.3	C	8 12 „
5	21.826	19.10	81.2	59.88	82.5	.0252	.8977	19.52.7	R	9 12 „
6	21.688	19·17	80·9	59.94	82.1	·0264	.8974	19.52·4	R	10 12 „
7	21.619	19.16	80.6	60.06	82·0	.0262	.8997	19.53.4	R	11 12 „
8	21.208	19.28	80·7	60.20	81.9	·0281	.9012	19.53.7	R	Midnight.
9	21.482	19.28	80.7	60.21	81.7	.0281	.9013	19.53·8	B	1 12 a. m.
10	21.276	19.35	80.8	60·29	81·7	.0293	.9022	19.53.9	B	2 12 „
11	21.310	19.36	80.7	60.33	81.7	.0295	.9026	19.54.0	C	3 12 „
12	21.415	19.41	80.8	60.38	81.8	.0304	.9032	19.54.2	C	4 12 „
13	21.276	19.46	80.9	60.45	81.7	.0312	.9040	19.54.5	R	5 12 „
14	22.032	19·38	81.0	60.65	81.7	.0298	.9062	19.55.3	R	6 12 „
15	23.884	19.31	81.1	60·77	81.8	.0287	·9075	19.56.0	B	7 12 „
16	24.502	19.59	81.5	60.64	81.9	.0333	·9060	19.54.9	B	8 12 „
17	24.363	20.07	82.0	60.30	82.1	.0412	.9023	19.52.5	C	9 12 „
18	22.991	20·34	82.3	59.92	83.0	.0456	.8972	19.49.7	C	10 12 „
19	21.415	20.36	83.6	59.80	83.2	.0459	·8968	19.49.6	R	11 12 „
20	20.453	20.40	83.9	59.74	83.5	.0466	.8961	19.49.2	R	Noon.
21	20.042	20.42	84·5	59.77	84.0	.0469	.8965	19.49.4	B	1 12 p. m.
22	20.659	20.30	85.0	59.84	84.8	.0449	.8972	19·49.8	B	2 12 „
23	21.482	20.02	84.7	59.82	85.0	.0403·	.8970	19.50.5	C	3 12 „

On the 19th, at about 19h. 40m., Dip as obtained by Observation was 19°03′8.

DAILY OBSERVATIONS FROM 22ND TO 25TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 22nd-Noon.	21·758	19.85	84°0	59.74	84°9	8.0375	2.8961	19°50′4	C	4 12 p. m.
1	21.345	19.82	84.0	59.64	84.6	.0370	.8950	19.50.2	R	5 12 „
2	21.276	19.41	82.0	59.70	83.1	.0304	.8957	19.51.4	R	6 12 „
3	21.276	19.22	80.8	60.09	82.5	.0272	.9000	19.53.4	B	7 12 „
4	21.071	19.30	80.4	60.10	82.1	.0285	.9001	19.53.1	B	8 12 „
5	21.208	19.38	80.2	60.18	81.8	.0298	.9010	19.53.4	C	9 12 „
6	21.415	19.27	80.0	60.27	81.3	.0282	.9020	19.54.1	C	10 12 „
7	21.895	19.22	80.0	60.44	81.2	.0272	.9038	19.54.9	R	11 12 „
8	21.688	19.30	79.7	60.51	81.0	·0285	.9046	19.54.9	R	Midnight.
9	21.895	19.28	79.5	60.54	80.6	.0282	.9049	19.55.2	B	1 12 a. m.
10	21.638	19.33	79.5	60.57	80.5	.0270	.9053	19.55.2	B	2 12 „
11	21.758	19.40	79.4	60.61	80.4	.0302	.9057	19.55.3	B	3 12 „
12	21.482	19.38	79.1	60.63	80.2	.0298	.9059	19.55.3	B	4 12 „
13	21.482	19.56	79.1	60.70	80.2	.0328	.9067	19.55.1	C	5 12 „
14	22.101	19.44	79.1	60.84	80.1	.0309	.9082	19.56.0	C	6 12 „
15	23.335	19.94	79.5	60.80	80.1	.0358	.9078	19.55.2	C	7 12 „
16	24.090	19.98	80.0	60.55	80.4	.0396	.9051	19.53.7	C	8 12 „
17	22.854	20.34	81.2	59.93	81.1	.0456	.8973	19.49.8	R	9 12 „
18	21.208	20.55	82.4	59.96	82.0	.0490	.8964	19.49.0	R	10 12 „
19	19.699	20.96	83.5	59.70	82.9	.0525	.8957	19.48.5	R	11 12 „
20	19.013	20.68	83.9	59.70	83.3	.0511	.8957	19.48.7	R	Noon.
21	19.561	20.60	84.4	59.82	83.9	.0498	.8970	19.49.2	B	1 12 p. m.
22	20.590	20.43	84.9	59.80	85.0	.0471	.8968	19.49.5	B	2 12 „
23	21.208	20.23	85.2	59.72	85.5	.0438	.8959	19.49.6	B	3 12 „
Sept. 23rd-Noon.	21.551	20.05	85.0	59.42	85.5	.0408	.8926	19.48.7	B	4 12 „
1	20.590	19.95	84.3	59.25	85.0	.0391	.8908	19.48.2	C	5 12 „
2	20.385	19.91	83.9	59.42	84.7	.0385	.8926	19.48.9	C	6 12 „
3	21.002	19.74	83.5	59.50	84.4	.0357	.8935	19.49.7	C	7 12 „
4	21.002	19.58	83.0	59.62	84.0	.0331	.8948	19.50.6	C	8 12 „
5	20.933	19.70	83.0	59.51	83.7	.0351	.8936	19.50.9	R	9 12 „
6	20.865	19.82	82.9	59.62	83.3	.0370	.8948	19.50.1	R	10 12 „
7	21.071	19.86	83.0	59.71	83.3	.0377	.8958	19.50.4	R	11 12 „
8	21.276	19.80	82.8	59.65	83.3	.0367	.8952	19.50.2	R	Midnight.
9	21.139	19.76	82.5	59.65	87.2	.0361	.8952	19.50.3	B	1 12 a. m.
10	21.208	19.78	82.2	59.64	82.9	.0364	.8950	19.50.3	B	2 12 „
11	21.002	19.80	82.0	59.67	82.7	.0367	.8954	19.50.3	B	3 12 „
12	20.933	19.76	81.8	59.78	82.6	.0361	.8966	19.50.8	B	4 12 „
13	21.002	19.90	81.8	59.88	82.6	.0383	.8977	19.51.1	C	5 12 „
14	22.032	19.97	81.9	60.07	82.4	.0395	.8993	19.51.6	C	6 12 „
15	23.540	19.80	82.1	60.13	82.7	.0367	.9004	19.52.2	C	7 12 „
16	24.976	20.16	82.7	59.74	83.0	.0426	.8961	19.49.8	C	8 12 „
17	23.198	20.45	83.2	59.25	83.2	.0474	.8908	19.47.2	B	9 12 „
18	20.316	21.08	84.1	58.81	83.7	.0577	.8859	19.43.9	B	10 12 „
19	17.572	21.42	84.9	58.69	84.5	.0633	.8846	19.42.7	B	11 12 „
20	16.680	21.27	85.4	58.83	84.9	.0609	.8861	19.43.5	B	Noon.
21	18.052	21.07	86.0	59.07	85.8	.0576	.8888	19.45.0	R	1 12 p. m.
22	19.836	20.69	86.1	59.19	86.3	.0513	.8901	19.46.4	R	2 12 „
23	21.208	20.66	86.5	59.19	87.0	.0508	.8901	19.46.4	R	3 12 „
Sept. 25th-Noon.	21.963	19.30	86.9	58.72	88.0	.0285	.8849	19.47.2	B	4 12 „
1	21.208	19.21	86.1	58.51	87.9	.0271	.8826	19.46.6	C	5 12 „
2	20.385	18.95	85.3	58.66	87.1	.0227	.8843	19.47.8	C	6 12 „
3	20.933	18.86	84.9	58.83	86.4	.0213	.8861	19.48.7	C	7 12 „
4	21.345	18 78	84.6	58.88	86.0	.0200	.8867	19.49.1	C	8 12 „
5	22.168	18.56	84.3	59.07	85.5	.0144	.8888	19.50.7	R	9 12 „
6	21.958	18.75	84.2	59.16	85.3	.0195	.8898	19.50.3	R	10 12 „
7	22.101	18.78	84.2	59.27	85.2	.0200	.8910	19.50.8	R	11 12 „
8	21.963	19.05	84.0	59.28	85.0	.0244	.8911	19.50.3	R	Midnight.
9	22.581	19.02	80.8	59.45	84.9	.0239	.8930	19.51.1	B	1 12 a. m.
10	22.237	18.92	83.6	59.42	84.8	.0222	.8926	19.51.1	B	2 12 „
11	22.581	19.00	83.6	59.40	84.7	.0236	.8924	19.50.8	B	3 12 „

On the 22nd, at about 19h. 20m., Dip as obtained by Observation was 19°05′6.
On the 23rd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH SEPTEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
SEPT. 25TH—12	22·237	19.12	83·4	59.49	84·6	8.0255	2.8934	19°50·9	B	4 12 a. m.
13	22.237	18.93	83.2	59.61	84.4	.0224	.8947	19.52.0	C	5 12 „
14	22.854	18.92	83.0	59.53	84.2	·0222	.8938	19.51.6	C	6 12 „
15	22.746	18.91	83.2	59.42	.84.1	.0221	.8926	19.51.1	C	7 12 „
16	23.473	19.35	83.8	59.20	84.3	.0293	.8902	19.49.2	C	8 12 „
17	22.718	19·83	84.2	58·93	85.0	.0372	.8863	19·45·7	R	9 12 „
18	21.276	20.31	84.8	58.69	85.0	.0451	.8846	19·45.4	R	10 12 „
19	19.424	20.48	85.2	58.51	85.4	.0479	.8826	19.43·9	R	11 12 „
20	17.984	20·46	85.9	58.56	86.0	.0476	.8832	19.44.1	R	Noon.
21	18.807	20.21	85.6	58.80	86.0	.0435	.8858	19.45.7	L	1 12 p. m.
22	19.973	19.65	84.3	59.11	85.3	.0341	.8892	19.48.2	L	2 12 „
23	20.385	19.40	82.8	59.22	84.0	.0302	.8904	19.49.2	L	3 12 „
SEPT. 26TH-Noon.	21.688	19·23	82.3	59.20	83.6	.0274	.8902	19.49.5	L	4 12 „
1	21.071	19.19	81.9	59·06	83.1	.0267	.8887	19.49·0	C	5 12 „
2	20.865	19.24	81.6	59.24	83.0	.0276	.8906	19.49.6	C	6 12 „
3	21.276	19.15	81.3	59.39	82.9	.0260	·8923	19.50.5	C	7 12 „
4	21.276	19.17	81.2	59·43	82.7	.0264	.8927	19.50.7	C	8 12 „
5	21.482	19.16	81.1	59.48	82.7	.0262	.8933	19.50.9	R	9 12 „
6	21.551	19.22	81.2	59.50	82.5	.0272	.8935	19.50.9	R	10 12 „
7	21.276	19.23	81.1	59.77	82.3	.0274	.8965	19.52.0	R	11 12 „
8	21.619	19.20	81.0	59.76	82.1	.0269	.8964	19.51.9	R	Midnight.
9	21.758	19.28	81.0	59.74	82.1	.0282	.8961	19.51.7	B	1 12 a. m.
10	21·826	19.27	81.0	59.70	82.1	.0281	.8957	19.51.7	B	2 12 „
11	22.101	19.38	80·8	59.78	81.9	.0298	.8966	19 51.8	B	3 12 „
12	22.101	19.27	80.6	59.78	81.9	.0281	.8966	19.51.9	B	4 12 „
13	22.718	19.27	80.3	59.83	81.8	.0281	.8971	19.52.1	C	5 12 „
14	22.374	19·26	80.3	60.05	81.8	.0279	.8996	19.53.1	C	6 12 „
15	23.404	19·16	80.7	59.93	81.6	.0262	.8973	19 52.4	C	7 12 „
16	23.060	19.26	81.1	59.52	81.7	.0277	.8937	19.50.9	C	8 12 „
17	21·895	19.91	82.1	59.29	82·3	.0385	.8912	19.47.3	R	9 12 „
18	20.042	20.20	83.1	58.93	82.8	.0433	.8863	19.45.9	R	10 12 „
19	19.013	20.35	84.2	58.87	83.6	.0557	.8866	19.45 8	R	11 12 „
20	18.258	20.08	84.3	58.94	84·0	.0413	.8864	19·46.2	R	Noon.
21	18.807	19.88	84.5	59.13	84.4	.0380	.8894	19.47.8	L	1 12 p. m.
22	19·767	19.40	85.1	59.27	85.1	.0302	.8910	19·49·5	L	2 12 „
23	21.276	19.14	85.3	59.22	85.7	.0259	.8904	19.49.7	L	3 12 „
SEPT. 27TH-Noon.	21.482	19.41	85.2	58.95	85.6	.0304	.8866	19·47·7	L	4 12 „
1	21.002	19.48	84.5	58.86	85.4	.0315	.8865	19·47·4	C	5 12 „
2	20.865	19.46	84.0	59.01	85.0	.0312	.8881	19·48·2	C	6 12 „
3	20.933	19.20	83.6	59.09	84.9	.0269	.8890	19.49.1	C	7 12 „
4	21.345	19.17	83.2	59.13	84.3	.0264	.8894	19·49·3	C	8 12 „
5	20.933	19.16	82.9	59.14	84.0	.0262	.8895	19·49·4	B	9 12 „
6	21.139	19.18	82.6	59·21	83.6	.0265	.8903	19·49·6	B	10 12 „
7	21.415	19.14	82.2	59.29	83.5	.0259	.8912	19·50·0	B	11 12 „
8	21.688	19.37	82.2	59.40	83.3	.0297	.8924	19·50·0	B	Midnight.
9	21.826	19.32	82.0	59.44	83.0	.0238	.8928	19·50·3	B	1 12 a. m.
10	22.444	19.22	81.5	59.51	82.9	.0272	.8936	19·50·9	L	2 12 „
11	22.444	19.37	81.0	59.57	82.3	.0297	.8943	19·50·8	L	3 12 „
12	22.581	19.23	80·9	59.59	82.3	.0274	.8945	19·51.3	L	4 12 „
13	21.963	19.19	80.7	59.60	82.1	.0267	.8946	19·51·3	C	5 12 „
14	22.101	19.21	80.5	59.84	82.0	.0271	.8972	19·52·2	C	6 12 „
15	23.404	19.23	81.0	60.03	82.0	.0274	.8993	19·53.1	C	7 12 „
16	23·130	19.22	81.8	59.89	82.2	.0272	.8978	19·52.5	C	8 12 „
17	23.335	19.55	82.5	59.60	82.6	.0326	.8946	19·5·6	B	9 12 „
18	22.168	19.87	83.4	59.30	83.4	.0379	.8913	19·48·6	B	10 12 „
19	20.728	20.01	84.2	59.23	84·2	.0402	.8905	19·48·0	B	11 12 „
20	20.453	20.07	84.6	59.14	84.5	.0412	.8895	19.47·5	B	Noon.
21	20.522	20.07	85.1	59.05	85.0	.0412	.8886	19.47·1	L	1 12 p. m.
22	21.345	19.68	85.5	59.17	85.6	.0347	.8899	19.48·3	L	2 12 „
23	22.101	19.66	85.9	59.06	86.1	.0344	.8887	19.48·1	L	3 12 „

On the 26th, at about 19h., Dip as obtained by Observation was 19°14'4.

DAILY OBSERVATIONS FROM 28TH TO 30TH SEPTEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observer.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 28th-Noon.	22'237	19.64	85°3	58.91	86°4	8.0341	2.8861	19°47'0	L	4 12 p. m.
1	21.826	19.38	84.9	58.88	86.0	.0298	.8867	19.47.8	C	5 12 ,,
2	21.139	19.25	84.4	58.92	85.7	.9277	.8862	19.47.8	C	6 12 ,,
3	21.345	18.87	83.4	59.06	84.7	.9215	.8887	19.49.6	C	7 12 ,,
4	21.071	18.93	83.1	59.13	84.2	.0224	.8894	19.49.8	C	8 12 ,,
5	21.002	18.90	82.8	59.19	83.8	.0219	.8901	19.50.1	B	9 12 ,,
6	21.415	18.99	82.5	59.32	83.4	.0234	.8915	19.50.5	B	10 12 ,,
7	21.482	19.25	82.1	59.38	83.4	.0277	.8922	19.50.2	B	11 12 ,,
8	21.139	19.35	82.1	59.45	83.4	.0293	.8930	19.50.4	B	Midnight.
9	21.758	19.36	82.0	59.50	83.2	.0295	.8935	19.50.5	L	1 12 a. m.
10	21.688	19.45	81.8	59.49	83.1	.0307	.8934	19.50.3	L	2 12 ,,
11	22.101	19.82	81.7	59.51	83·0	.0370	.8936	19 50.6	L	3 12 ,,
12	22.032	19.44	81.7	59.59	82.9	.0309	.8945	19.50.8	L	4 12 ,,
13	21.826	19.37	81.5	59.60	82.8	.0297	.8946	19.50.9	C	5 12 ,,
14	21.826	19.33	81.4	59.78	82.6	.0290	.8966	19.51.7	C	6 12 ,,
15	22.991	19.12	81.3	59.92	82·2	.0255	.8972	19.52.3	C	7 12 ,,
16	22.787	19.56	82.0	59.75	82.5	.0328	.8963	19.51.1	C	8 12 ,,
17	21.758	20.10	82.9	59.34	83.0	.0416	.8917	19.48.2	B	9 12 ,,
18	21.002	20.54	83.5	59.16	83.6	.0489	.8898	19.46.5	B	10 12 ,,
19	19.973	20.83	84.5	58.91	84.4	.0536	.8861	19.44.4	B	11 12 ,,
20	19.150	20.81	85.3	58.85	85.0	.0533	.8864	19.44.6	B	Noon.
21	19.356	20.50	85.8	59.02	85.5	.0482	.8882	19.47.1	L	1 12 p. m.
22	20.796	20.17	86.0	59.18	86.0	.0428	.8900	19.47.4	L	2 12 ,,
23	21.963	19.89	86.1	59.24	86.4	.0382	.8906	19.48.3	L	3 12 ,,
Sept. 29th-Noon.	22.649	19.78	85.9	59.20	86.6	.0364	.8902	19.48.3	L	4 12 ,,
1	21.963	19.69	85.0	58.93	86.0	.0349	.8863	19.46.9	C	5 12 ,,
2	20.796	19.46	84.0	58.93	85.5	.0312	.8863	19.47.5	C	6 12 ,,
3	21.551	19.27	82.9	59.15	84 5	.0281	.8897	19.49.3	C	7 12 ,,
4	21.276	19.14	82.2	59.26	83.9	.0259	.8910	19.50.0	C	8 12 ,,
5	21.276	19.23	82.3	59.16	83.5	.0274	.8898	19.49.4	B	9 12 ,,
6	21.415	19.26	82.3	59.26	83.4	.0279	.8908	19.49.7	B	10 12 ,,
7	21.482	19.26	82.2	59.35	83.3	.0279	.8919	19.50.1	B	11 12 ,,
8	21.895	19.32	82.1	59.40	83.3	.0288	.8924	19.50.1	B	Midnight.
9	21.688	19.34	82.0	59.44	83.1	.0292	.8928	19.50.3	L	1 12 a. m.
10	21.895	19.30	82.0	59.51	83·0	.0285	.8936	19.50.6	L	2 12 ,,
11	21.688	19.36	82.0	59.51	83.0	.0295	.8936	19.50.5	L	3 12 ,,
12	21.276	19.45	81.9	59.53	83·0	.0310	.8938	19.50 5	L	4 12 ,,
13	21.415	19.34	81.6	59.67	82.9	.0292	.8954	19.51.3	C	5 12 ,,
14	22.787	19.14	81.1	59.80	82.5	.0259	.8968	19.52.2	C	6 12 ,,
15	24.021	19.18	81.0	59.82	82.2	.0265	.8970	19.52.2	C	7 12 ,,
16	24.295	19.54	81.9	59.59	82.3	.0325	.8945	19.50.6	C	8 12 ,,
17	23.677	20.04	83.1	59.24	83.0	.0407	.8906	19.47.9	B	9 12 ,,
18	22.718	20.42	84.0	58.91	83.8	.0469	.8861	19.45.3	B	10 12 ,,
19	20.728	20.68	84.6	58.58	84.3	.0511	.8834	19.43.8	B	11 12 ,,
20	20.385	20.70	85.4	58 53	84.9	.0515	.8828	19.43.4	B	Noon.
21	18.738	20.57	86.0	58.62	85.6	.0494	.8838	19.44.3	L	1 12 p. m.
22	19.424	20.40	86.3	58.79	86.2	.0466	.8857	19.45.3	L	2 12 ,,
23	20.659	20.20	86.6	58.83	87.0	.0433	.8861	19.45.8	L	3 12 ,,
Sept. 30th-Noon.	21.758	20.00	86.5	59.08	87.5	.0400	.8889	19.47.3	L	4 12 ,,
1	21.415	19.86	86.0	58.83	87.1	.0377	.8861	19.46.7	C	5 12 ,,
2	20.728	19.80	85.5	58.80	86·6	.0367	.8858	19.46.6	C	6 12 ,,
3	21.208	19.55	85.0	58.91	86.1	.0326	.8861	19.47.1	C	7 12 ,,
4	21.345	19.48	84.6	58.88	85.9	.0315	.8867	19.47.5	C	8 12 ,,
5	21.208	19.43	84.2	58.89	85.5	.0307	.8868	19.47.7	B	9 12 ,,
6	21.276	19.51	84.2	58.94	85.3	.0320	.8864	19.47.3	B	10 12 ,,
7	21.482	19.57	84.2	59.10	85.1	.0330	.8891	19.48.3	B	11 12 ,,
8	21.482	19.60	84.1	59.15	85.1	.0334	.8897	19.48.6	B	Midnight.
9	21.551	19.55	84.0	59.15	84.9	.0326	.8897	19.48.6	B	1 12 a. m.
10	21.482	19.55	83.8	59.16	84.6	.0326	.8898	19.48.6	L	2 12 ,,
11	21.415	19.68	83.5	59.22	84·7	.0347	.8904	19.48.5	L	3 12 ,,

On the 29th, at about 19h., Dip as obtained by Observation was 19°02'5.

DAILY OBSERVATIONS FROM 30TH SEPTEMBER TO 3RD OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Correction for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Sept. 30th—12	21'345	19.72	83°4	59.25	84°1	8.0654	2.8908	19°43'7	L	4 12 a.m.
13	21.415	19.65	83.1	59.12	84.1	.0612	.8926	19.49.6	C	5 12 „
14	21.895	19.56	83.0	59.61	84.0	.0628	.8947	19.50.7	C	6 12 „
15	22.267	19.51	83.4	59.64	84.0	.0320	.8950	19.50.8	C	7 12 „
16	23.077	20.07	83.9	59.34	84.1	.0412	.8917	19.48.4	C	8 12 „
17	21.963	21.35	84.7	58.74	84.7	.0021	.8851	19.43.0	B	9 12 „
18	20.247	21.66	85.3	58.66	85.3	.0072	.8843	19.42.1	B	10 12 „
19	18.305	21.85	85.9	58.30	85.9	.0703	.8803	19.40.1	B	11 12 „
20	16.955	21.21	86.4	58.45	86.4	.0593	.8820	19.42.1	B	Noon.
21	16.749	21.21	86.9	58.67	87.7	.0599	.8844	19.43.0	L	1 12 p.m.
22	19.493	20.70	87.4	59.04	87.3	.0553	.8894	19.45.4	L	2 12 „
23	20.659	20.28	87.3	59.00	87.4	.0446	.8880	19.46.3	L	3 12 „
Oct. 2nd—Noon.	23.198	19.36	86.5	58.93	87.0	.0275	.8863	19.47.6	B	4 12 „
1	22.101	19.11	85.7	58.71	87.0	.0254	.8848	19.47.7	B	5 12 „
2	21.619	18.94	85.0	58.87	86.3	.0226	.8865	19.48.6	B	6 12 „
3	21.963	18.69	84.7	59.03	85.9	.0145	.8883	19.49.8	B	7 12 „
4	22.854	18.44	84.7	59.18	85.9	.0145	.8900	19.51.0	L	8 12 „
5	23.267	17.75	83.6	59.12	84.7	.0031	.8893	19.52.3	C	9 12 „
6	22.923	17.30	82.5	59.40	83.1	7.9967	.8924	19.54.4	C	10 12 „
7	23.473	17.05	82.2	59.59	83.0	8.0014	.8945	19.54.7	C	11 12 „
8	22.854	17.78	82.0	59.53	82.6	.0036	.8941	19.54.2	C	Midnight.
9	22.374	18.04	82.0	59.64	82.6	.0158	.8972	19.53.9	B	1 12 a.m.
10	21.415	18.50	82.1	59.63	82.6	.0151	.8949	19.52.9	B	2 12 „
11	22.305	18.68	82.1	59.80	82.6	.0183	.8963	19.53.3	B	3 12 „
12	21.688	18.61	81.9	59.78	82.6	.0172	.8966	19.53.3	B	4 12 „
13	21.758	18.94	81.9	59.89	82.4	.0226	.8978	19.53.0	L	5 12 „
14	23.884	18.54	81.9	60.15	82.4	.0161	.9007	19.55.1	L	6 12 „
15	25.051	18.36	82.0	59.92	82.4	.0131	.8972	19.54.0	L	7 12 „
16	24.707	18.89	82.5	59.63	82.8	.0218	.8949	19.52.0	B	8 12 „
17	23.884	18.86	83.5	59.21	83.2	.0213	.8903	19.50.4	C	9 12 „
18	22.854	19.25	84.0	58.95	83.7	.0277	.8866	19.48.0	C	10 12 „
19	21.345	19.62	85.0	58.82	84.7	.0337	.8860	19.47.0	C	11 12 „
20	20.590	19.73	85.9	58.91	85.1	.0356	.8861	19.46.7	C	Noon.
21	20.590	19.53	86.0	59.02	85.7	.0323	.8882	19.48.0	B	1 12 p.m.
22	21.415	19.47	87.0	59.07	86.4	.0314	.8888	19.48.5	B	2 12 „
23	22.374	19.32	87.3	59.04	87.3	.0288	.8884	19.48.5	B	3 12 „
Oct. 3rd—Noon.	22.512	19.16	87.0	58.90	87.4	.0262	.8860	19.48.0	L	4 12 „
1	22.101	18.88	86.6	58.80	87.4	.0216	.8858	19.48.5	L	5 12 „
2	21.895	18.57	85.8	58.76	86.9	.0166	.8854	19.49.0	L	6 12 „
3	21.963	18.90	85.4	58.88	86.6	.0219	.8867	19.48.8	B	7 12 „
4	21.345	18.80	85.1	58.92	86.2	.0263	.8862	19.48.8	B	8 12 „
5	20.865	18.84	84.7	58.90	86.0	.0210	.8860	19.48.7	C	9 12 „
6	21.482	18.80	84.4	59.02	85.6	.0263	.8882	19.49.6	C	10 12 „
7	21.963	18.96	84.1	59.05	85.5	.0279	.8886	19.49.4	C	11 12 „
8	21.415	19.03	84.0	59.06	85.1	.0241	.8887	19.49.4	C	Midnight.
9	21.758	19.32	83.9	59.10	85.0	.0283	.8891	19.48.8	B	1 12 a.m.
10	21.895	19.29	83.9	59.14	84.8	.0254	.8895	19.49.2	B	2 12 „
11	21.963	19.04	83.5	59.16	84.7	.0243	.8898	19.49.8	B	3 12 „
12	21.963	19.07	83.5	59.10	84.6	.0238	.8901	19.49.7	B	4 12 „
13	22.168	18.87	82.8	59.18	84.0	.0175	.8900	19.50.1	N	5 12 „
14	22.991	18.97	82.1	59.31	83.6	.0201	.8914	19.51.5	N	6 12 „
15	23.404	19.19	82.9	59.31	83.7	.0267	.8914	19.50.0	N	7 12 „
16	23.473	19.07	83.7	59.12	83.9	.0346	.8893	19.48.1	N	8 12 „
17	22.444	20.14	84.4	58.99	84.2	.0423	.8870	19.46.3	C	9 12 „
18	21.963	20.33	85.1	58.91	85.0	.0454	.8861	19.46.5	C	10 12 „
19	20.796	20.51	86.2	58.70	86.0	.0484	.8847	19.44.8	C	11 12 „
20	20.042	20.36	87.0	58.73	86.6	.0479	.8850	19.43.8	C	Noon.
21	20.796	20.20	87.5	58.80	86.8	.0443	.8858	19.45.8	B	1 12 p.m.
22	21.895	19.57	87.0	58.87	87.2	.0330	.8866	19.47.3	B	2 12 „
23	22.991	19.33	87.6	58.75	87.6	.0290	.8853	19.47.4	B	3 12 „

On the 30th, at about 19h. 30m., Deflection Observations were taken.
On the 3rd, at about 19h. 15m., Dip as obtained by Observation was 19°11'2.

DAILY OBSERVATIONS FROM 4TH TO 6TH OCTOBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
OCT. 4TH-Noon.	22°18	19.01	87°3	58.59	88°1	8.0238	2.8835	19°47'4	D	4 12 p. m.
1	21.551	18.87	86.5	58.49	88.0	.0215	.8834	19.47.1	N	5 12 ,,
2	21.071	19.08	85.8	58.61	87.0	.0249	.8837	19.47.2	N	6 12 ,,
3	21.345	18.64	85.2	58.70	86.6	.0177	.8847	19.47.7	N	7 12 ,,
4	21.895	18.35	84.5	58.83	86.0	.0129	.8861	19.48.7	N	8 12 ,,
5	20.796	19.36	84.9	58.82	85.9	.0295	.8850	19.47.5	C	9 12 ,,
6	22.101	18.69	84.4	58.97	85.5	.0185	.8868	19.48.2	C	10 12 ,,
7	21.619	18.94	84.1	58.81	85.2	.0226	.8850	19.48.4	C	11 12 ,,
8	22.305	18.84	84.0	58.91	85.0	.0210	.8861	19.48.7	C	Midnight.
9	22.305	18.85	83.9	58.93	84.9	.0211	.8873	19.48.8	B	1 12 a. m.
10	22.168	18.86	83.6	58.99	84.6	.0213	.8870	19.49.1	B	2 12 ,,
11	22.108	18.86	83.6	59.04	84.6	.0213	.8884	19.49.6	B	3 12 ,,
12	22.101	19.08	83.6	59.06	84.5	.0251	.8887	19.49.2	B	4 12 ,,
13	22.305	19.14	83.5	59.13	84.3	.0259	.8894	19.49.3	N	5 12 ,,
14	22.923	19.19	83.4	59.23	84.2	.0267	.8905	19.49.7	N	6 12 ,,
15	24.432	19.31	83.6	59.42	84.1	.0287	.8925	19.50.2	N	7 12 ,,
16	24.639	19.66	84.0	59.15	84.4	.0344	.8896	19.48.4	N	8 12 ,,
17	23.677	20.07	85.0	58.97	85.0	.0412	.8868	19.46.4	C	9 12 ,,
18	22.374	20.37	85.9	58.75	85.6	.0461	.8853	19.45.2	C	10 12 ,,
19	21.619	20.51	86.5	55.70	86.0	.0484	.8847	19.44.8	C	11 12 ,,
20	21.482	20.44	86.7	58.95	86.4	.0473	.8866	19.45.5	C	Noon.
21	22.581	20.23	87.1	59.07	87.2	.0438	.8888	19.47.1	B	1 12 p. m.
22	23.953	19.90	87.7	59.11	87.6	.0383	.8892	19.47.7	B	2 12 ,,
23	23.816	19.72	87.5	58.76	87.9	.0354	.8854	19.46.6	B	3 12 ,,
OCT. 5TH-Noon.	22.787	19.54	87.1	58.39	87.9	.0325	.8813	19.45.3	B	4 12 ,,
1	21.071	19.21	86.3	58.37	87.2	.0271	.8811	19.46.0	N	5 12 ,,
2	21.071	19.01	86.9	58.63	87.0	.0238	.8839	19.47.5	N	6 12 ,,
3	21.002	19.08	86.8	58.70	86.7	.0249	.8847	19.47.7	N	7 12 ,,
4	20.659	19.13	86.4	58.79	86.3	.0257	.8857	19.48.0	N	8 12 ,,
5	20.865	19.13	86.0	58.96	86.1	.0257	.8867	19.48.3	C	9 12 ,,
6	21.208	19.20	86.0	58.90	86.0	.0269	.8860	19.47.9	C	10 12 ,,
7	21.551	19.27	86.0	58.94	85.9	.0281	.8864	19.47.9	C	11 12 ,,
8	21.895	19.28	84.9	59.02	85.6	.0282	.8882	19.48.6	C	Midnight.
9	22.032	19.21	84.5	59.11	85.3	.0271	.8892	19.49.1	B	1 12 a. m.
10	21.963	19.49	84.1	59.10	85.1	.0317	.8891	19.48.4	B	2 12 ,,
11	22.444	18.82	84.0	59.29	84.8	.0206	.8912	19.50.7	B	3 12 ,,
12	21.688	19.42	83.7	59.19	84.6	.0305	.8901	19.49.0	B	4 12 ,,
13	21.895	19.58	83.5	59.14	84.5	.0331	.8895	19.48.5	G	5 12 ,,
14	22.444	19.62	83.4	59.28	84.2	.0337	.8911	19.49.0	G	6 12 ,,
15	22.787	19.67	83.7	59.36	84.4	.0346	.8923	19.49.3	G	7 12 ,,
16	23.404	20.28	84.0	59.24	84.5	.0446	.8906	19.47.4	G	8 12 ,,
17	23.267	20.88	84.9	59.15	84.9	.0544	.8897	19.45.9	C	9 12 ,,
18	22.649	21.01	85.5	59.07	85.5	.0566	.8878	19.45.1	C	10 12 ,,
19	21.415	21.09	86.1	58.72	86.0	.0579	.8849	19.43.5	C	11 12 ,,
20	20.590	20.86	86.4	58.09	86.4	.0538	.8780	19.41.3	C	Noon.
21	21.002	20.64	86.4	58.85	86.5	.0505	.8864	19.44.9	B	1 12 p. m.
22	22.305	20.23	87.0	59.16	87.0	.0438	.8896	19.47.2	B	2 12 ,,
23	22.649	20.01	87.0	58.97	87.4	.0402	.8868	19.46.5	B	3 12 ,,
OCT. 6TH-Noon.	21.758	20.05	87.2	58.58	87.7	.0408	.8834	19.45.1	B	4 12 ,,
1	20.590	19.84	86.6	58.41	87.5	.0374	.8815	19.44.0	L	5 12 ,,
2	20.659	19.53	85.6	58.75	87.0	.0323	.8848	19.46.8	L	6 12 ,,
3	21.139	19.33	85.2	58.85	86.5	.0290	.8864	19.47.7	L	7 12 ,,
4	21.208	19.29	84.6	58.88	85.9	.0284	.8867	19.48.1	L	8 12 ,,
5	21.758	19.24	84.3	59.00	85.6	.0276	.8880	19.48.6	C	9 12 ,,
6	22.032	19.27	84.0	59.14	85.4	.0281	.8895	19.49.2	C	10 12 ,,
7	22.101	19.07	84.0	59.17	85.2	.0248	.8899	19.49.6	C	11 12 ,,
8	22.101	19.13	83.9	59.20	85.0	.0257	.8902	19.49.6	C	Midnight.
9	21.895	19.05	83.6	59.29	84.8	.0244	.8912	19.50.3	B	1 12 a. m.
10	21.551	19.13	83.4	59.29	84.6	.0257	.8912	19.50.0	B	2 12 ,,
11	21.619	19.12	83.3	59.37	84.4	.0255	.8921	19.50.4	B	3 12 ,,

DAILY OBSERVATIONS, FROM 6TH TO 9TH OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 6th—12	22·168	19.37	83·0	59.48	84·2	8.0287	2.8933	19°50′5	B	4 12 a. m.
13	21.826	19.37	83.0	59.55	84·0	.0287	·8941	19·50·8	L	5 12 „
14	21·551	19.43	83.0	59.54	84.0	.0307	·8939	19.50.5	L	6 12 „
15	22.512	19.36	83.0	59·74	83.9	.0295	·8961	19.51.4	L	7 12 „
16	23.104	19.77	83.5	59.42	84.0	.0363	·8926	19.49.3	B	8 12 „
17	23.267	20.32	84.0	5 .14	84.5	.0452	.8895	19.46.9	C	9 12 „
18	21.758	20.72	84.9	58.89	85.0	·0518	·8866	19.44.8	C	10 12 „
19	20.179	20.94	85.5	59.00	85.3	.0554	.8880	19.45.0	C	11 12 „
20	19.493	20.80	85.9	59.16	85.9	.0531	.8898	19.46.0	C	Noon.
21	20.316	20.42	86.0	59.40	86.0	.0468	.8924	19.47.8	B	1 12 p. m.
22	22.374	20.18	86.0	59.57	86.3	·0429	.8913	19.49.1	B	2 12 „
23	23.473	19.97	86.0	59.45	86·5	.0395	·8930	19.49.0	B	3 12 „
Oct. 7th—Noon.	23.267	19.77	85.6	59.25	86.6	.0363	.8908	19.48.6	L	4 12 „
1	21.485	19.70	85.0	58.94	86.2	.0351	.8864	19·46·9	B	5 12 „
2	20.659	19.34	84.1	59.12	85·5	.0292	·8893	19.48.9	B	6 12 „
3	20.933	18.93	83.7	59.30	85.1	·0224	.8913	19·50·6	B	7 12 „
4	21.276	19.19	83.5	59.37	84·9	·0267	·8921	19.50·3	B	8 12 „
5	21.345	19.17	83.3	59.48	84.6	.0264	.8933	19.50·9	C	9 12 „
6	21.619	19.15	83.0	59.36	84.2	·0260	.8920	19·50.4	C	10 12 „
7	21.895	19.22	82.9	59.41	84.0	.0272	·9025	19·50·5	C	11 12 „
8	22.101	19.19	82.7	59.43	83.8	·0267	.8929	19.50.6	C	Midnight.
9	22.512	19.19	82.6	59.50	83.6	.0267	.8935	19.50·9	B	1 12 a. m.
10	22.237	19·19	82.3	59.63	83.5	.0267	.8949	19.51.4	B	2 12 „
11	22.168	19.31	82·1	59.65	83.3	.0287	.8952	19.51·2	D	3 12 „
12	21.895	19.37	82.0	59.80	83.2	·0297	.8968	19·51.7	D	4 12 „
13	22.032	19.49	81.9	59.87	83.0	·0317	·8976	19·51.7	L	5 12 „
14	23.335	19.50	81.8	60.09	82.9	·0318	.9000	19.52.7	L	6 12 „
15	24.363	19.39	82.0	60.08	82.8	·0300	.8999	19.52.9	L	7 12 „
16	24.707	19.80	82.5	59.74	83·0	.0367	·8961	19·50.5	D	8 12 „
17	22.305	20.36	83.7	59.22	83.5	·0459	.8904	19.47·1	C	9 12 „
18	20.247	20.62	84.1	58.90	84.0	·0501	.8860	19.44·9	C	10 12 „
19	18.395	20.76	84.5	58.86	84.5	·0525	·8865	19.44·7	C	11 12 „
20	17.778	20.66	84.9	59.11	84.9	.0508	.8892	19·46·0	C	Noon.
21	18.327	20.49	85.4	59.36	85.4	.0481	.8920	19·47.6	L	1 12 p. m.
22	19.973	20.12	85.4	59.45	85·8	.0419	·8930	19·48.7	L	2 12 „
23	21.826	19.92	85.4	59.40	86.1	.0386	.8924	19·48·7	L	3 12 „
Oct. 9th—Noon.	21.482	19.88	85.3	59.22	86.6	.0380	.8904	19.48.2	B	4 12 „
1	21.002	19.89	84.6	59.24	86.3	.0382	·8906	19.49·3	B	5 12 „
2	21.002	19.77	83.6	59.45	85.5	.0363	·8930	19·49·5	B	6 12 „
3	21.415	19.61	83.1	59.56	84.8	·0336	·8942	19.50.2	L	7 12 „
4	21·345	19.61	83.0	59.60	84.0	·0336	.8946	19.50·4	L	8 12 „
5	21.208	19.54	82.7	59.63	83.8	·0325	.8949	19.50.6	C	9 12 „
6	21.276	19.49	82.5	59.79	83.8	.0317	·8967	19·51.4	C	10 12 „
7	21.415	19.48	82.3	59.86	83.6	.0315	·8975	19·51.7	C	11 12 „
8	21.482	19.50	82.1	59.93	83.3	·0318	.8973	19.51·6	C	Midnight.
9	21.415	19.50	81.9	60.10	83.2	·0318	·9001	19.52.7	B	1 12 a. m.
10	22.032	19.44	81.7	60.09	83.0	·0309	·9000	19.52.9	B	2 12 „
11	21.826	19.55	81.4	60.10	82.7	.0326	·9001	19.52.7	B	3 12 „
12	21.826	19.65	81.4	60.13	82.5	·0342	.9004	19.52·6	B	4 12 „
13	21.895	19.68	81.4	60.20	82.5	.0347	·9012	19·52·9	L	5 12 „
14	22.923	19.68	81.3	60.35	82.3	.0347	.9029	19·53·4	L	6 12 „
15	23.609	19.71	81.7	60.15	82.3	·0353	.9006	19·52.5	L	7 12 „
16	23.198	20.17	82.2	59.73	82.6	.0428	·8960	19.49.7	B	8 12 „
17	21.688	20.73	83·2	59·30	83.0	·0520	·8913	19.46·7	C	9 12 „
18	20.179	20.97	83·6	59.11	83.6	.0559	·8892	19·46.3	C	10 12 „
19	19.150	21.19	85.0	58.97	84·3	.0595	.8868	19·43.9	C	11 12 „
20	19.013	20.95	85.2	59.16	84.7	·0555	.8898	19.45.6	C	Noon.
21	19.767	20.73	85.3	59.35	85.0	.0520	.8919	19.46.9	L	1 12 p. m.
22	20·933	20.41	85.4	59.39	85.6	.0468	·8923	19·47.8	L	2 12 „
23	21.758	20·38	85.5	59.33	85.9	·0462	.8916	19·47.5	L	3 12 „

On the 7th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 10TH TO 12TH OCTOBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
OCT. 10TH-Noon.	21·895	20.20	85·0	59·24	86·2	8.0433	2.8906	19°47′7	L	4 12 p. m.
1	21.139	20.13	84.3	59.09	85.8	.0421	.8890	19.47.1	L	5 12 ,,
2	21.276	19.78	83.5	59.33	85.0	.0364	.8916	19.48.9	B	6 12 ,,
3	21.688	19.68	83.0	59 45	84.4	.0347	.8930	19.49.6	B	7 12 ,,
4	21.551	19.69	82.7	59.50	84.0	.0349	.8935	19.49.8	L	8 12 ,,
5	21.551	19.53	82.3	59.50	83.9	.0323	.8935	19.50.2	C	9 12 ,,
6	21.482	19.50	82.2	59.74	83.5	.0333	.8961	19.51.0	C	10 12 ,,
7	21.619	19.60	82.0	59.68	83.3	.0334	.8955	19.50.9	C	11 12 ,,
8	21.482	19.66	82.0	59.74	83.0	.0314	.8961	19.50.9	C	Midnight.
9	21.688	19.60	81·6	59.78	82.8	.0304	.8966	19.51.2	B	1 12 a. m.
10	21.551	19.81	81.4	59.80	82.6	.0309	.8968	19.50.8	B	2 12 ,,
11	21.415	19.88	81.4	59.82	82.5	.0300	.8970	19.50.8	B	3 12 ,,
12	21.139	19.90	81.3	59.82	82.4	.0303	.8970	19.50.8	B	4 12 ,,
13	21.276	19.92	81.1	59.85	82.3	.0306	.8974	19.50.9	L	5 12 ,,
14	21.758	19.93	81.0	59.87	82.3	.0308	.8978	19.50.9	L	6 12 ,,
15	22.718	20.00	81.2	59.96	82.1	.0400	.8977	19.50.8	L	7 12 ,,
16	23.677	20.32	81.7	59.96	82.3	.0452	.8956	19.49.4	B	8 12 ,,
17	22.991	20.87	82.9	59.23	82.9	.0543	.8916	19.46.6	C	9 12 ,,
18	21.071	21.26	83.8	59.10	83.3	.0607	.8891	19.44.7	C	10 12 ,,
19	19.424	21.41	84.8	59.10	84.0	.0632	.8891	19.44.4	C	11 12 ,,
20	18 807	21.33	84.8	59.14	84.4	.0618	.8895	19.44.7	C	Noon.
21	19.424	21.20	85.0	59.24	84.9	.0597	.8906	19.45.4	L	1 12 p. m.
22	20.728	20.96	85.1	59.35	85.1	.0557	.8919	19.46.4	L	2 12 ,,
23	21.826	20.68	85.0	59.34	85.3	.0511	.8917	19.47.1	L	3 12 ,,
OCT. 11TH-Noon.	22.374	20.36	84.7	59.27	85.6	.0460	8.910	19.47.4	L	4 12 ,,
1	21.619	20.11	83.9	59.13	85.1	.0418	.8894	19.47.2	L	5 12 ,,
2	20.796	19.71	83.0	59.36	84.5	.0353	.8920	19.49.2	B	6 12 ,,
3	21.071	19.57	82.6	59.41	84.0	.0330	.8924	19.49.6	B	7 12 ,,
4	21.345	19.50	82.3	59.41	83.8	.0318	.8925	19.49.8	B	8 12 ,,
5	21.071	19.55	82.0	59.45	83.4	.0326	.8930	19.50.0	C	9 12 ,,
6	21.609	19.46	82.0	59.58	83.0	.0312	.8944	19.50.7	C	10 12 ,,
7	21.963	19.45	81.9	60.59	83.0	.0310	.9055	19.55.1	C	11 12 ,,
8	21.963	19.74	81.7	60.49	82.9	.0358	.9044	19.53.9	C	Midnight.
9	22.991	19.56	81.6	60.58	82.5	.0328	.9054	19.54.7	B	1 12 a. m.
10	21.963	19.62	81.2	60.45	82.3	.0337	.9030	19.53.7	B	2 12 ,,
11	21.480	19.66	81.1	60.40	82.1	.0344	.9034	19.53.8	B	3 12 ,,
12	21.345	19.78	81.0	60.41	82.1	.0364	.9035	19.53.6	B	4 12 ,,
13	21.415	19.65	80.6	60.53	81.7	.0342	.9048	19.54.4	L	5 12 ,,
14	22 237	19.40	80.5	60.47	81.6	.0302	.9042	19.54.6	L	6 12 ,,
15	23.473	19.47	80.4	60.56	81·3	.0314	.9052	19.54.9	L	7 12 ,,
16	22.305	19.81	81.1	60.20	81.6	.0367	.9012	19.52.5	B	8 12 ,,
17	21.415	20.02	82.3	60.15	82.1	.0403	.9007	19.52.0	C	9 12 ,,
18	20.728	20.30	83.6	60.09	83.0	.0449	.9000	19.51.0	C	10 12 ,,
19	20.385	20.47	84.7	60.32	83.9	.0498	.9025	19.51.7	C	11 12 ,,
20	20.590	20.13	84.8	60.40	84.1	.0421	.9035	19.52.8	C	Noon.
21	20.316	19.98	84.8	62.45	84.4	.0396	.9260	20.01.8	L	1 12 p. m.
22	21.482	19.38	85.0	62.50	85.0	.0298	.9265	19.03.3	L	2 12 ,,
23	21.826	18.96	85.1	62.54	85.4	.0219	.9269	19.04.4	L	3 12 ,,
OCT. 12TH-Noon.	22.854	18.80	85.0	62.53	85.7	.0203	.9268	20.04.7	L	4 12 ,,
1	21.895	19.27	84.3	62.41	85.3	.0281	.9255	20.03.3	L	5 12 ,,
2	21.895	18.76	83.4	62.59	84.8	.0197	.9275	20.05.0	B	6 12 ,,
3	24.159	17.35	83.0	62.83	84.2	7.9965	.9301	20.09.0	B	7 12 ,,
4	28.001	15.59	82.6	62.99	83.7	.9877	.9310	20.13.2	L	8 12 ,,
5	26.492	10.69	82.4	63.02	83.4	.9877	.9322	20.21.1	C	9 12 ,,
6	30.491	8.63	82.0	63.34	83.1	.9845	.9357	20.21.9	C	10 12 ,,
7	29.030	9.34	81.6	62.85	82.9	.9852	.9304	20.26.2	C	11 12 ,,
8	28.344	10.11	81.3	63.02	83.8	.8778	.9322	20.25.3	C	Midnight.
9	26.218	11.96	81.1	63.15	82.3	.9081	.9337	20.25.1	B	1 12 a. m.
10	25.532	13.14	80.9	63.08	82.1	.9275	.9329	20.19.1	B	2 12 ,,
11	25.493	14.01	80.7	63.18	82.0	.9418	.9340	20.17.7	B	3 12 ,,

On the 10th, at about 19h. 10m., Dip as obtained by Observation was 19°08′4.
On the 12th, a Magnetic Disturbance occurred at Noon G.M.T.

DAILY OBSERVATIONS FROM 12TH TO 14TH OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 12th—12	25·532	15.96	80°5	63.05	81°8	7·9705	2.9326	20°13′4	B	4 12 a. m.
13	25.669	15·11	80.5	63.10	81.8	.9598	.9331	20.15·0	L	5 12 „
14	26.149	15.41	80.5	63.13	81.7	·9648	·9334	20.14·4	L	6 12 „
15	25.943	15.48	80.6	62.96	81.4	.9659	.9307	20.13·3	L	7 12 „
16	25·532	15.96	80.9	62.83	81·7	.9737	.9301	20.12.5	B	8 12 „
17	24.021	16·54	82.0	62.76	82.0	.9833	.9294	20.10.5	C	9 12 „
18	22.787	16.80	83.1	62.72	82.8	.9875	.9289	20.09·7	C	10 12 „
19	21.071	17.24	83.4	62.55	83·4	.9948	.9271	20.08.0	C	11 12 „
20	20.316	17.58	83.9	62.62	83·5	8.0003	.9278	20.07.7	C	Noon.
21	20·796	17.53	84.1	62.27	84.1	7.9995	.9295	20.08.4	B	1 12 p. m.
22	22.168	17.38	84.3	62.86	84.6	.9970	.9305	20.09.2	B	2 12 „
23	22.787	17.45	84.6	62.83	85.1	.9982	.9301	20.08.9	B	3 12 „
Oct. 13th-Noon.	22.649	17.43	84·2	62.81	85.2	·9979	.9299	20.08.8	B	4 12 „
1	21.895	17.51	83.2	62.72	84.5	.9992	.9289	20.08.2	L	5 12 „
2	22.444	17.33	82.4	62.81	83.8	.9962	.9299	20.09.0	B	6 12 „
3	23·130	17.54	81.9	62.91	83.2	.9997	.9306	20.08.9	L	7 12 „
4	22.787	17·53	81.3	62.93	82.6	8.0009	.9303	20.08.6	L	8 12 „
5	22.718	17.62	81.0	63.01	82·4	.0026	.9321	20.09.1	C	9 12 „
6	23.130	17.62	80.7	63.01	82.1	.0026	.9321	20.09.0	C	10 12 „
7	22.923	17.62	80.4	63.05	81.7	.0042	.9326	20.09.1	C	11 12 „
8	22.787	17·87	80·3	63.07	81.4	.0051	.9328	20.09.0	C	Midnight.
9	22.854	17.73	79.9	63.04	81.2	.0028	.9324	20.09.1	B	1 12 a. m.
10	22.854	17·82	79·5	63.07	80.9	.0042	.9321	20.08.9	B	2 12 „
11	22·718	17.99	79.3	62.97	80.6	.0070	.9310	20.08.1	B	3 12 „
12	22.444	18.05	79.2	62.87	80.4	.0080	.9306	20.07·8	B	4 12 „
13	22.374	18.11	79.2	62.76	80.2	.0090	.9294	20.07.1	L	5 12 „
14	24·090	18·16	79.0	62.80	80.0	.0098	.9298	20.07.2	L	6 12 „
15	25.943	18.15	79.1	62.85	80.0	.0096	.9304	20.07.4	L	7 12 „
16	26.561	18.76	79.7	62.71	80.3	.0197	.9288	20.05.5	B	8 12 „
17	24.639	19.53	80.9	62.48	81·0	.0323	.9263	20.02.9	C	9 12 „
18	21.619	20.07	82.0	62.40	81.4	.0412	.9254	20.01.5	C	10 12 „
19	19.493	20.20	83.0	62.37	82.4	.0433	.9251	20.01.1	C	11 12 „
20	19.493	20.19	83.6	62.51	83.0	.0431	·9266	20.01.9	C	Noon.
21	20·659	19.70	83.4	62.74	83.4	.0351	.9291	20.03.6	L	1 12 p. m.
92	22.168	19.40	83.8	62.84	83.9	.0302	.9302	20.04.7	L	2 12 „
23	23.473	18.96	83.7	62.80	84.1	.0213	·9298	20.05.8	L	3 12 „
Oct. 14th-Noon.	24·090	18.80	83.4	62.73	84.3	.0203	.9290	20.05.6	L	4 12 „
1	22.581	18·74	82.7	62.56	83.8	.0194	.9227	20.04.9	L	5 12 „
2	22.032	18.65	82.0	62.59	83.1	.0178	·9275	20.05.3	B	6 12 „
3	22.718	18.60	81.5	62·73	82.6	.0170	.9294	20.06.0	B	7 12 „
4	22.101	18.62	81.6	62.76	82.6	.0173	.9294	20.06.1	L	8 12 „
5	21·895	18·61	81.3	62.77	82.3	·0173	.9295	20.06.2	C	9 12 „
6	21.895	18.71	81.1	62.79	82.2	.0189	.9297	20.06.0	C	10 12 „
7	22.032	18.71	81.0	62.81	82.2	.0199	.9299	20.05.9	C	11 12 „
8	21.895	18.78	81.0	62.81	82.1	.0200	·9299	20.05.9	C	Midnight.
9	22.237	18.76	80.8	62.81	81.8	.0197	.9299	20.05·9	B	1 12 a. m.
10	22.305	18.85	80.5	62.83	81.6	.0211	.9301	20.05.9	B	2 12 „
11	22.237	18.83	80.3	62.81	81.5	.0208	.9299	20.05.8	B	3 12 „
12	21.895	16.79	80.1	62.92	81.3	.0202	.9302	20.06.0	B	4 12 „
13	22.101	18.96	80.0	63.01	81.0	.0229	.9321	20.06.4	L	5 12 „
14	23.130	18.95	80.0	63.01	80.9	.0227	.9321	20.06.4	L	6 12 „
15	24.159	18.92	80·1	63.03	80.9	.0222	.9323	20.06.6	L	7 12 „
16	24.159	19.31	80.5	62.89	81.3	.0287	.9308	20·05.1	B	8 12 „
17	23.609	19.77	81·5	62.74	81.6	.0363	·9291	20.03.5	C	9 12 „
18	22.649	20.17	82.9	62.67	82.4	.0428	.9284	20.02.3	C	10 12 „
19	20.865	20.23	84.0	62.57	83.1	.0438	·9274	20.01.8	C	11 12 „
20	20.316	20.20	84.5	62.63	83.7	.0433	·9279	20.02.1	C	Noon.
21	20.110	19.83	84.5	62.74	84.0	.0372	.9291	20.03.4	L	1 12 p. m.
22	21.415	19.28	84.4	62.78	84.2	.0298	.9296	20.04.5	L	2 12 „
23	22.649	19.47	84.4	62.82	84.5	.0354	.9300	20.04.6	L	3 12 „

On the 13th, at about 19h., Dip as obtained by Observation was 19°05′3.
On the 14th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 16TH TO 18TH OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 16th-Noon.	21·345	19.60	85·3	62.69	86·2	8.0334	2.9296	20°03′7	B	4 12 p. m.
1	21.345	19.30	84.2	62.79	85.8	.0285	.9297	20.04.7	B	5 12 „
2	21.619	19.15	83.3	62.65	84.9	.0260	.9286	20.04.6	B	6 12 „
3	22.168	19.04	82.4	62·67	84.2	·0243	.9284	20.04.8	B	7 12 „
4	22.101	18.95	82.3	62.71	83.7	·0227	.9288	20.05.1	L	8 12 „
5	22.168	18.89	81.0	62.70	83.2	.0218	.9287	20·05.2	C	9 12 „
6	22.032	18.83	80.5	62.63	82.6	.0208	.9279	20.05.0	C	10 12 „
7	22·581	18.85	80.3	62.67	82.3	·0211	.9284	20.05.2	C	11 12 „
8	22.854	18.94	79.9	62.68	82.0	.0226	.9285	20.05.0	C	Midnight.
9	21.963	19.43	79.5	62.69	81.4	.0307	·9286	20.04.0	B	1 12 a. m.
10	22.444	19.13	79.2	62.73	80.9	.0257	.9290	20.04.8	B	2 12 „
11	22.512	19.14	79.0	62.73	80.4	.0259	.9290	20.04.8	B	3 12 „
12	22.512	19.18	79.0	62.76	80.4	.0265	.9294	20.04.9	B	4 12 „
13	22.032	19.07	79.0	62.81	80.3	.0248	.9299	20.05.2	L	5 12 „
14	22.444	18.98	79.0	62.93	80.2	.0232	.9303	20.05.7	L	6 12 „
15	23.953	19.10	79.3	62.96	80.2	.0252	.9307	20.05.6	L	7 12 „
16	24.502	19.34	79.6	62.78	80.5	.0292	.9296	20.04.6	B	8 12 „
17	23.746	19.98	80.8	62.59	81.2	.0396	.9275	20.02.4	C	9 12 „
18	22.581	20.23	82.0	62.66	82.0	.0438	.9283	20.02.2	C	10 12 „
19	21·551	20.39	83.2	62·68	82.7	.0464	.9285	20·02.0	C	11 12 „
20	20.316	20.48	84.0	62.58	83.1	.0479	.9274	20.01.3	C	Noon.
21	20.728	20.16	83·9	62.60	83.4	·0426	.9276	20.02.0	L	1 12 p. m.
22	21.482	19.81	84.2	62.70	84.0	.0369	.9287	20·03.3	L	2 12 „
23	22.101	19.67	84.2	62.68	84.3	.0346	.9286	20.03·4	L	3 12 „
Oct. 17th-Noon.	21.758	19.53	83.9	62.61	84.4	.0323	.9277	20.03.5	L	4 12 „
1	21.071	19.29	83.0	62.57	84·1	.0284	.9273	20.03.9	L	5 12 „
2	21.139	19.15	81.9	62.54	83·1	.0260	.9269	20.03.9	B	6 12 „
3	21.345	18.99	81.3	62.68	82.6	.0234	·9285	20.05.0	B	7 12 „
4	21.482	19.08	81.0	62.69	82.4	·0249	.9286	20.04.7	L	8 12 „
5	21.276	19·08	80.5	62.79	82.0	.0249	.9287	20.04 8	C	9 12 „
6	21·688	19.30	80.2	62.75	81.6	.0285	.9287	20.04.3	C	10 12 „
7	21.551	19.64	80.0	62.88	81.1	.0341	·9307	20·04.5	C	11 12 „
8	21.208	19.67	79.8	62.83	80.9	.0346	.9302	20.04.0	C	Midnight.
9	22.374	18.84	79.4	62.96	80.4	.0210	.9307	20.06.2	B	1 12 a. m.
10	22.305	19.14	79.0	62.95	80.1	.0259	.9306	20·05.5	B	2 12 „
11	22.101	18.61	78.4	62.99	79.6	.0172	·9310	20.07.0	B	3 12 „
12	21·139	19.06	78.1	62.93	79.4	.0246	.9303	20.05.4	B	4 12 „
13	20.659	19.70	78.2	62.96	79·3	.0351	.9307	20.04.3	L	5 12 „
14	20.933	19.63	78.1	63.09	79.0	.0339	.9330	20·05.4	L	6 12 „
15	22.374	18.99	77.9	63.12	79.0	.0234	.9333	20.06.9	L	7 12 „
16	21.963	20.08	78.5	63.13	79.4	.0413	.9334	20.04.6	B	8 12 „
17	23.540	20.15	79.9	63.03	79.8	.0424	.9323	20.04.0	C	9 12 „
18	23.747	19.73	81·0	62.81	80.7	.0356	.9299	20.03.8	C	10 12 „
19	22.854	19.34	81.9	63.24	81.2	.0292	.9346	20·06.6	C	11 12 „
20	22.991	18.48	82.3	63·36	81.9	.0151	.9360	20.08.9	C	Noon.
21	24.363	17.72	82.9	63.39	82·2	.0026	.9363	20.10.6	L	1 12 p. m.
22	24.983	16.68	83·3	63.40	82.8	7.9855	.9364	20.12·8	L	2 12 „
23	24.502	16.13	83.3	63.27	83.1	.9765	.9350	20.13.7	L	3 12 „
Oct. 18th-Noon.	24.570	15.49	83.0	63.22	83.4	.9661	.9344	20.14.7	L	4 12 „
1	23.609	15.02	82.1	63.19	83·0	.9585	·9341	20.15.5	L	5 12 „
2	23.262	14.88	81.3	63.22	82.4	.9550	.9344	20.16.2	B	6 12 „
3	24.090	15.40	80.9	63.31	82.1	.9646	.9354	20.15.2	B	7 12 „
4	24.983	15.11	80.6	63.28	81.9	.9598	.9351	20.15.8	L	8 12 „
5	25.120	15.26	80.1	63.34	81·4	·9623	.9357	20.15.8	C	9 12 „
6	25.669	16.61	79.9	63.23	81.0	.9844	.9345	20.12.5	C	10 12 „
7	24.639	16.41	79.6	63.13	80.9	.9812	.9334	20.12.4	C	11 12 „
8	24.983	16.46	79.3	63.29	80.6	.9826	.9352	20.12.9	C	Midnight.
9	24.570	17.29	79.0	63.23	80·4	.9956	.9345	20.10.9	B	1 12 a. m.
10	24.570	17.45	78.9	63.82	80·1	.9982	·9351	20.10.9	B	2 12 „
11	24.159	17.49	78·6	63.25	79.9	.9989	.9348	20.10.6	B	3 12 „

On the 17th, at about 19h. 40m., Dip as obtained by Observation was 19°01′9.

DAILY OBSERVATIONS FROM 18TH TO 20TH OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 18th—12	24·090	17.65	78°4	63.27	79°5	8.0014	2.9350	20°10′5	B	4 12 a.m.
13	22.923	17.48	78.3	63.20	79.4	7.9987	.9342	20.10.3	L	5 12 „
14	23.816	17.72	78·3	63.28	79.4	8.0026	.9351	20.10.2	L	6 12 „
15	24.590	17.83	78.8	63.28	79.4	.0044	.9351	20.10.1	B	7 12 „
16	24.570	17.95	79.2	63.24	79.5	.0063	.9346	20.10.6	B	8 12 „
17	23.816	18.61	80.2	63.08	80·0	.0172	.9329	20.07.5	C	9 12 „
18	22.444	18.80	81.6	63·07	80.9	.0203	.9328	20·07.1	C	10 12 „
19	21.276	18.88	82.8	63.05	81.8	.0216	.9326	20.06.9	C	11 12 „
20	21.071	18.82	82.8	63.01	82.1	.0206	.9321	20.06.7	C	Noon.
21	21.139	18.69	83.1	62.98	82.6	.0185	.9309	20.06·4	B	1 12 p.m.
22	22.032	18.50	83.3	63.07	83·1	.0154	.9328	20.07.7	B	2 12 „
23	23.130	18.29	83.2	63.05	83.4	.0120	.9326	20.07.3	B	3 12 „
Oct. 19th-Noon.	22.787	18.03	82.9	63.06	83 6	.0077	·9327	20.08.7	B	4 12 „
1	22.444	17.83	82.1	62.95	83.2	.0044	.9306	20.08.3	B	5 12 „
2	22·854	17·77	81.3	63.06	82.7	.0035	.9327	20.09.2	L	6 12 „
3	23.540	17.41	80.9	63.09	82.3	7.9976	·9330	20.10.1	L	7 12 „
4	22.267	17.93	80.5	63.11	81.9	8.0060	.9332	20.09·9	L	8 12 „
5	22.581	17.89	80.2	63.10	81.6	.0054	.9331	20.09.1	C	9 12 „
6	22.854	18.10	80.0	63.18	81.2	.0088	.9341	20.09.0	C	10 12 „
7	22.718	18.24	79.8	63.13	81.0	.0112	.9334	20.08.5	C	11 12 „
8	22.237	18.15	79.6	63.17	80.7	.0096	.9339	20.08.8	C	Midnight.
9	22.168	18.51	79.2	63.05	80.3	.0156	.9326	20.07.5	B	1 12 a.m.
10	22.237	18.30	79·1	63.19	80.2	.0121	·9341	20.08.6	B	2 12 „
11	22.101	18.49	79.2	63.18	80.0	.0153	.9340	20.08.2	L	3 12 „
12	22.101	18.47	79.1	63.18	79.9	.0150	.9340	20.08·2	L	4 12 „
13	22·444	18.47	79·0	63.30	79.9	.0150	.9353	20.08.7	C	5 12 „
14	22.923	18.32	78.8	63.37	79.5	.0124	.9361	20 09.3	C	6 12 „
15	24.502	18.18	78.9	63·34	79.6	.0101	.9357	20.09.6	B	7 12 „
16	25.699	18.39	79.3	63.29	79.6	.0136	.9352	20.08.8	B	8 12 „
17	25.326	18.83	80.1	63·18	80.0	.0208	.9340	20.07.5	L	9 12 „
18	24.639	19.32	81.6	63.07	80·8	.0288	.9328	20.05.9	L	10 12 „
19	23.473	19·66	82.9	62.98	82.0	.0344	.9309	20.04.5	C	11 12 „
20	22·414	19.54	83.7	62·97	82.9	.0325	.9308	20.04.6	C	Noon.
21	22·991	19.21	84.1	63.05	83.2	.0271	.9326	20·06.1	B	1 12 p. m.
22	22.923	18.94	84.4	62.96	83·8	.0226	.9307	20.05.9	B	2 12 „
23	23.198	18.62	84.5	62.95	84.0	·0173	.9306	20.07.6	L	3 12 „
Oct. 20th-Noon.	23.335	18.43	84·2	62.98	84.2	.0143	.9309	20.07.1	L	4 12 „
1	23.953	18.22	83·5	62.96	84.0	.0108	.9307	20.07.5	C	5 12 „
2	23.335	17.18	82·8	62.90	83.0	.9937	.9300	20.09.4	C	6 12 „
3	23.540	17.47	82.2	62.91	82.7	.9986	.9301	20.08.7	B	7 12 „
4	23.404	17.15	81·9	62.98	82.5	.9932	·9309	20.09.8	B	8 12 „
5	23.060	17.43	81.6	63.01	82.4	.9979	.9321	20.09.7	L	9 12 „
6	22.991	18.06	81·2	63.06	82.1	·0082	.9327	20.08.7	L	10 12 „
7	22.923	18.23	80.8	63.10	81.9	.0110	.9331	20.08.4	C	11 12 „
8	23.540	18.05	80.4	63.07	81.5	.0080	.9328	20.08.7	C	Midnight.
9	23.473	17.49	80.3	63.09	81.3	.0070	.9330	20.08.9	B	1 12 a. m.
10	22.923	18.27	80.1	63.06	81.3	.0117	.9327	20.08.1	B	2 12 „
11	22.374	18.46	79.5	63.04	80.8	.0148	.9324	20.07.5	B	3 12 „
12	22.444	18.46	79.4	63.07	80.5	.0148	.9328	20.07·7	B	4 12 „
13	22.854	18.63	79.3	63.13	80·2	.0143	.9334	20.08.1	L	5 12 „
14	23.130	18.71	79.3	63.14	80.1	.0189	.9335	20.07.5	L	6 12 „
15	23.746	18.58	79.5	63.15	80.0	.0167	.9337	20·07.9	L	7 12 „
16	24.159	18·79	80.2	63.16	80.3	.0202	.9338	20.07.5	L	8 12 „
17	24·295	19.28	81.0	63.07	80.8	.0282	.9328	20·06.1	C	9 12 „
18	23.404	19·53	82.0	63·12	81·2	.0323	.9333	20·05.7	C	10 12 „
19	22·168	19.51	83·0	62.90	82.2	.0302	.9300	20.04.4	C	11 12 „
20	21.345	19.27	83.6	62.89	82.9	.0281	.9308	20.05.3	C	Noon.
21	21.071	19·16	83·9	63.04	83.0	.0262	.9324	20.06.1	L	1 12 p. m.
22	21.895	18.94	84.2	63.06	83.5	.0194	.9327	20.07.2	L	2 12 „
23	21.895	18.85	84.3	63.02	84.0	.0211	.9322	20.06.7	L	3 12 „

On the 20th, at about 19h., Dip as obtained by Observation was 19°10′3.

DAILY OBSERVATIONS FROM 21ST TO 24TH OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 21st-Noon.	22·168	19.18	84°1	63.00	84°1	8.0265	2.9300	20°05′1	L	4 12 p. m.
1	24.295	17.47	83.3	62.93	83.8	7.9986	.9303	20.08.8	L	5 12 „
2	25.326	15.52	82.6	63.05	83.3	.9681	.9326	20.03.8	B	6 12 „
3	25.287	15.36	82.2	63.01	83.0	.9639	·9321	20.14.1	B	7 12 „
4	24.983	15.73	82.1	63.08	82.8	.9700	.9329	20.13.6	L	8 12 „
5	23.404	16.13	82.0	63.05	82.6	.9765	.9326	20.12.5	C	9 12 „
6	24.432	16 82	81.8	63.08	82.5	.9878	.9329	20.11.3	C	10 12 „
7	24.846	16.91	81.4	63.14	82.4	.9893	.9335	20.11.4	C	11 12 „
8	24.159	17.05	81.2	63.13	82.1	.9916	.9334	20.10.9	C	Midnight.
9	24·090	17.09	80.9	63.12	82.1	.9923	.9333	20.10.9	B	1 12 a. m.
10	23.884	17,45	80.5	63.20	81.6	.9982	.9342	20.10.5	B	2 12 „
11	23.677	17.34	80.2	63.19	81.3	.9964	.9341	20.10.7	B	3 12 „
12	24.021	17.27	80.1	63.19	81.2	.9953	.9341	20.10.8	B	4 12 „
13	24.090	17.32	79.9	63.15	80.9	.9960	.9336	20.10.5	L	5 12 „
14	24.295	17.43	79.7	63.18	80.5	.9979	.9340	20.10.5	L	6 12 „
15	24.432	17.60	80.2	63.18	80.6	8.0006	.9340	20.10.1	L	7 12 „
16	24.432	17.85	80.8	63.18	81.0	.0047	.9340	20.09.5	B	8 12 „
17	23.473	18.18	81.6	63.10	81.3	.0101	.9331	20.08·5	C	9 12 „
18	22.168	18.55	82.9	63.08	82.1	.0162	.9329	20.07.6	C	10 12 „
19	21.002	18.79	83.2	63.08	82.5	.0202	.9329	20.07.1	C	11 12 „
20	21.071	19.06	83.9	63.09	83.0	.0246	.9330	20.06.5	C	Noon.
21	21.688	18.79	84.4	63.15	83.3	.0202	.9337	20.07.5	L	1 12 p. m.
22	21.415	18.65	84.6	63.17	83.9	.0178	.9339	20.07.8	L	2 12 „
23	21.276	18.49	84.9	63.15	84.4	.0113	.9337	20.08.3	L	3 12 „
Oct. 22nd-Noon.	22.854	19.12	85.6	62.85	86.5	.0255	.9304	20.05.2	B	4 12 „
1	21.619	18.94	84.6	62.83	85.9	.0226	.9301	20.05.6	B	5 12 „
2	21.610	18.74	83.5	62·90	85.1	.0194	.9300	20.06.1	B	6 12 „
3	22.374	18.52	83·0	62.92	84.5	.0157	.9302	20.06.5	B	7 12 „
4	22.237	18.58	82.9	62.97	84.0	.0167	.9308	20.06.7	L	8 12 „
5	21.826	18.63	82.9	63.10	83.9	.0175	.9331	20.07.5	C	9 12 „
6	22.305	18.64	82.3	63.09	83.6	.0167	.9330	20.07.5	C	10 12 „
7	22.854	18.54	82.1	63.11	83.3	.0161	.9332	20.07.7	C	11 12 „
8	22.444	18.63	82.1	63.02	83.3	.0175	.9322	20.07.1	C	Midnight.
9	22.032	18.76	82.1	63.05	83.2	.0197	.9326	20.07.0	B	1 12 a. m.
10	21.895	18.81	82.0	63.04	83.1	.0205	.9324	20.06.8	B	2 12 „
11	21.895	18.76	81.9	63.04	82.9	.0197	.9324	20.06.9	B	3 12 „
12	21.895	18·71	81.3	63.06	82.6	.0189	.9327	20.07.2	B	4 12 „
13	22.101	18.79	81.0	63.05	82.4	.0202	.9326	20.07.0	L	5 12 „
14	22.444	19.00	81.1	63.12	82.3	.0236	.9333	20.06.8	L	6 12 „
15	23.267	18.84	81.2	63.16	82.1	.0210	.9338	20.07.4	L	7 12 „
16	23.884	19.19	81.6	63.06	82.1	.0267	.9327	20.06.2	B	8 12 „
17	23.953	19.48	82.3	63.02	82.2	.0315	.9322	20.05.2	C	9 12 „
18	22.512	19.96	83.4	62.92	83.1	.0393	.9302	20.03·5	C	10 12 „
19	21.276	20.22	84.4	62.84	83.5	.0436	.9302	20.02.9	C	11 12 „
20	21.209	20.22	85.1	62.82	84.1	.0436	.9300	20.02.9	C	Noon.
21	21.688	19.97	85.9	62.88	85.2	·0395	.9307	20.03.7	B	1 12 p. m.
22	22.032	19.74	86.4	62.90	86.1	.0358	.9300	20.03.9	B	2 12 „
23	22.237	19.54	86.5	62.89	86.3	.0325	.9308	20.04.6	B	3 12 „
Oct. 24th-Noon.	22.305	19.38	85.6	62.84	86.4	.0298	.9302	20.04.7	B	4 12 „
1	21.551	19.31	84.4	62.82	85.8	.0288	.9300	20.04.8	L	5 12 „
2	21.415	19.21	84.0	62.83	85.1	.0271	.9301	20.05.1	L	6 12 „
3	21.758	18.98	83.4	62.86	84.6	.0232	.9305	20.05.8	L	7 12 „
4	22.032	18.98	83.0	62.87	84.0	.0232	.9306	20.05.8	L	8 12 „
5	21.482	18.96	82.9	62.83	83.8	.0229	.9301	20.05.7	C	9 12 „
6	21.826	18.97	82.7	62.89	83.5	.0231	.9308	20.05.9	C	10 12 „
7	22.032	18.95	82.2	62.89	83.0	.0227	.9308	20.05.9	C	11 12 „
8	22.032	18.98	82.1	62.92	83.0	.0232	.9300	20.05.6	C	Midnight.
9	22.237	19.04	81.9	63.04	83.0	.0243	.9324	20.06.4	B	1 12 a. m.
10	22.374	18.96	81.4	63.08	82.6	.0229	.9329	20.06.7	B	2 12 „
11	22.237	19.09	81.1	63.03	82.5	.0251	.9323	20.06.2	B	3 12 „

On the 21st, at about 19h. or 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 24TH TO 27TH OCTOBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
OCT. 24TH—12	21·895	19.04	80°5	63.04	81°9	8.0243	2.9324	20°06′4	B	4 12 a. m.
13	21.758	19.13	80.4	63.05	81.7	.0257	.9326	20.06.2	L	5 12 „
14	22.991	19.16	80.1	63.14	81.4	·0262	.9335	20.06.6	L	6 12 „
15	23.953	19.24	80.3	63.19	81·3	.0276	.9341	20.06.6	L	7 12 „
16	25.600	19.47	81.1	63.16	81.4	.0314	.9338	20.06.1	L	8 12 „
17	25.875	19.95	82.2	63.14	82.1	.0391	·9335	20.04.9	C	9 12 „
18	24.363	20.27	83.5	62.87	82.9	.0445	.9306	20.02.9	C	10 12 „
19	22.101	20.53	84.4	62.73	83.5	.0487	.9290	20.01.8	C	11 12 „
20	20.865	20.48	85.0	62.77	84.0	.0479	·9295	20.02.2	C	Noon.
21	21.072	20·33	85.9	62.82	84.8	.0454	.9300	20.02.7	B	1 12 p. m.
22	21.826	20.11	85.9	62.85	85.5	.0418	.9304	20.03.1	B	2 12 „
23	22.718	20.01	86.0	62.83	86.0	.0402	.9301	20.03.4	B	3 12 „
OCT. 26TH-Noon.	21.826	19.62	86.5	62.71	87.5	.0337	.9288	20.03.7	B	4 12 „
1	21.276	19.22	85.5	62.66	86.9	.0272	.9283	20.04.4	B	5 12 „
2	21.551	19.00	84.5	62.65	86.2	.0236	.9282	20.04.7	B	6 12 „
3	21.826	19.07	84·0	62.80	85.4	.0248	.9298	20.05.2	B	7 12 „
4	21.688	19.21	83.5	62.80	84.9	.0271	.9298	20.05.0	L	8 12 „
5	21.482	19.25	83.2	62.78	84·8	.0277	.9297	20.04.9	C	9 12 „
6	21.699	19.31	82.8	62.79	84.3	.0287	.9297	20.04.7	C	10 12 „
7	21.551	19·42	82.6	62.76	84.0	.0305	.9294	20.04.3	C	11 12 „
8	21.551	19.47	82.7	62.77	83.8	.0314	.9295	20.04.4	C	Midnight.
9	21.551	19.40	82.3	62.81	83.6	.0302	.9299	20.04.6	B	1 12 a. m.
10	21.482	19.36	81.8	62.85	83.3	.0295	.9304	20·04.8	B	2 12 „
11	21.688	19.30	81.5	62.84	82.9	.0285	.9302	20.04.8	B	3 12 „
12	21.758	19.34	81.4	62.86	82.6	.0292	·9305	20.05.0	B	4 12 „
13	22.032	19.29	80.9	62.97	82.4	.0284	.9308	20·05·3	L	5 12 „
14	22.718	19.45	80.3	62.98	81·9	.0310	.9309	20.04.9	L	6 12 „
15	23.884	19.64	80.7	63·00	81.7	.0341	.9320	20.05.0	L	7 12 „
16	24·776	20.06	81.3	62.98	82.0	.0410	·9309	20.03·6	L	8 12 „
17	24.639	20.58	82.4	62.80	82.5	.0495	.9298	20.02.2	C	9 12 „
18	22.787	21.03	83.9	62.70	83.4	.0569	.9287	20·00.9	C	10 12 „
19	20·522	21.13	84.4	62.62	83.9	.0585	.9278	20.00.2	C	11 12 „
20	19.767	21.02	85.0	62.65	84 0	.0567	.9282	20.00.6	C	Noon.
21	19.973	20.68	85.3	62.66	84 5	.0511	.9283	20.01.5	B	1 12 p. m.
22	21.002	20.25	85.2	62.70	85·0	.0441	.9287	20.02.4	B	2 12 „
23	21.758	20.06	85.1	62·71	85.3	.0410	.9288	20·02·8	B	3 12 „
OCT. 27TH-Noon.	21.963	19·82	84.6	62.66	85.3	.0370	.9283	20.03.1	B	4 12 „
1	21.071	19.79	83·8	62.60	84.9	.0366	.9276	20.02.8	B	5 12 „
2	21.208	19.62	82.9	62.73	83.8	.0337	.9290	20.03.8	L	6 12 „
3	21.758	19.48	82.4	62.76	83.5	.0315	.9294	20.04.1	L	7·12 „
4	21.758	19.41	82.2	62.80	83·2	.0304	.9298	20.04.6	L	8 12 „
5	21.482	19.40	82.0	62.82	83.0	.0302	.9300	20.04.7	C	9 12 „
6	21.619	19·42	81·7	62.81	83.0	·0305	.9299	20.04.5	C	10 12 „
7	21.895	19.27	81.5	63.83	82·8	.0281	.9301	20.05.0	C	11 12 „
8	21.688	19.43	81·5	62.85	82.7	·0307	.9303	20.04.7	C	Midnight.
9	22.168	19.30	81.3	62.88	82.5	.0285	.9307	20.05·1	B	1 12 a. m.
10	22.305	19.16	81.1	62·91	82·3	.0262	.9301	20.05.2	B	2 12 „
11	22.032	19.14	80.9	62.88	81.9	.0259	.9307	20.05.5	B	3 12 „
12	21.551	19.27	80.4	62.90	81.8	.0281	.9300	20.05.0	B	4 12 „
13	21.415	19.35	80.2	63.04	81.4	.0293	.9324	20.05.7	L	5 12 „
14	21.276	19·59	80.0	63.04	81.3	.0333	.9324	20.05.2	L	6 12 „
15	21.758	19.87	80.3	63·05	81.0	.0379	·9325	20.04.7	L	7 12 „
16	23.473	20.33	81.0	63.13	81.5	.0454	·9334	20.04.0	L	8 12 „
17	23.816	20.94	81.9	63.01	82.0	.0554	.9321	20.02.4	C	9 12 „
18	22.581	21·20	83.0	62.89	82.9	.0597	.9308	20.01.1	C	10 12 „
19	21.276	21.33	84.2	62.76	83.6	.0618	.9294	20.00.2	C	11 12 „
20	20.865	21.21	85.1	62.80	84.3	.0599	.9298	20.00.7	C	Noon.
21	20.590	20.98	86·4	62.76	85.4	.0560	.9294	20.01.2	B	1 12 p. m.
22	21.619	20.59	86.5	62.78	85.9	.0497	.9296	20·02.1	B	2 12 „
23	21.963	20.39	86.5	62.82	86.5	.0464	.9300	20.02.6	B	3 12 „

On the 24th, at about 19h. 30m., Dip as obtained by Observation was 19°08′1.
On the 27th, at about 19h. 15m., Dip as obtained by Observation was 19°07′2.

DAILY OBSERVATIONS FROM 28TH TO 31ST OCTOBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 28th-Noon.	21·688	20.14	85·5	62.71	86·3	8.0423	2.9288	20°02'6	B	4 12 p. m.
1	21.276	20.03	84.0	62.72	85.5	.0405	.9289	20.02.8	B	5 12 „
2	21.208	19.79	82.9	62.74	84.5	.0366	.9291	20.03.4	L	6 12 „
3	21.758	19.61	82.2	62.76	84.0	.0336	.9294	20.03.9	L	7 12 „
4	21.619	19.62	82.0	62.79	83.5	.0337	.9297	20.04.1	L	8 12 „
5	21.482	19.50	82.0	62.83	83.1	.0318	.9301	20.04.4	C	9 12 „
6	21.688	19.67	81.8	62.81	83.0	.0346	.9299	20.03.9	C	10 12 „
7	22.101	19.60	81.0	62.79	82.4	.0334	.9297	20.04.2	C	11 12 „
8	21.688	19.72	81.0	62.86	82.1	.0354	.9305	20.04.2	C	Midnight.
9	21.826	19.51	80.8	62.85	81.8	.0320	.9304	20.04.5	B	1 12 a. m.
10	22.168	19.55	80.5	62.87	81.6	.0326	.9306	20.04.5	B	2 12 „
11	21.619	19.65	80.1	62.84	81.3	.0342	.9302	20.04.2	B	3 12 „
12	21.826	19.81	79.6	62.85	81.0	.0369	.9304	20.03.9	B	4 12 „
13	21.758	19.91	79.6	62.92	80.8	.0385	.9302	20.03.5	L	5 12 „
14	21.758	19.94	79.4	62.92	80.6	.0390	.9302	20.03.5	L	6 12 „
15	23.060	19.92	79.6	62.91	80.4	.0386	.9301	20.03.5	L	7 12 „
16	23.816	20.13	80.4	62.96	80.6	.0421	.9307	20.03.4	L	8 12 „
17	24.226	20.51	81.6	62.82	81.4	.0484	.9300	20.02.4	B	9 12 „
18	23.130	20.93	82.7	62.74	82.1	.0552	.9291	20.01.2	B	10 12 „
19	22.787	21.02	83.9	62.74	82.9	.0567	.9291	20.01.0	B	11 12 „
20	21.895	20.78	85.3	62.68	83.9	.0528	.9285	20.01.3	B	Noon.
21	21.758	20.33	86.1	62.70	84.9	.0454	.9287	20.02.3	C	1 12 p. m.
22	21.963	19.87	86.3	62.66	85.4	.0379	.9283	20.03.2	C	2 12 „
23	21.276	19.65	86.0	62.57	86.0	.0342	.9273	20.03.1	C	3 12 „
Oct. 30th-Noon.	21.895	19.77	85.9	62.68	85.9	.0363	.9285	20.03.3	B	4 12 „
1	21.345	19·74	84.5	62.65	85.6	.0358	.9281	20.03.1	B	5 12 „
2	21.619	19.56	83.4	62.65	84.2	.0318	.9281	20.03.6	B	6 12 „
3	22.168	19.43	82.9	62.65	83.6	.0307	.9281	20.03.8	B	7 12 „
4	22.168	19.33	82.4	62.72	83.4	.0290	.9289	20.04.3	B	8 12 „
5	22.032	19.31	82.2	62.75	83.2	.0289	.9293	20.04.5	B	9 12 „
6	22.787	19.01	81.6	62.71	82.6	.0238	.9288	20.05.0	L	10 12 „
7	22.854	19.36	80.9	62.75	82.3	.0295	.9291	20.04.3	L	11 12 „
8	22.512	19.29	80.4	62.71	82.0	.0284	.9288	20.04.5	L	Midnight.
9	21.895	19.48	80.8	62.71	81.8	.0315	.9288	20.03.9	C	1 12 a. m.
10	21.963	19.46	80.7	62.73	81.8	.0312	.9290	20.04.2	C	2 12 „
11	21.758	19.48	80.5	62.75	81.6	.0315	.9293	20.04.1	C	3 12 „
12	21.345	19.45	80.3	62.76	81.4	.0310	.9294	20.04.3	C	4 12 „
13	21.415	19.44	80.3	62.78	81.3	.0309	.9296	20.04.4	B	5 12 „
14	21.688	19.60	80.2	62.79	81.3	.0334	.9297	20.04.2	B	6 12 „
15	22.991	19.78	80.0	62.75	81.1	.0364	.9293	20.03.6	B	7 12 „
16	23.609	20.07	80.9	62.72	81.2	.0412	.9289	20.02.8	B	8 12 „
17	23.404	20.48	81.9	62.67	81.6	.0479	.9284	20.01.7	L	9 12 „
18	22.032	21.03	83.2	62.65	82.3	.0569	.9282	20.00.6	L	10 12 „
19	20.933	21.36	84.8	62.56	83.6	.0623	.9272	19.59.3	L	11 12 „
20	20.522	21.39	86.1	62.57	84.9	.0628	.9273	19.59.3	L	Noon.
21	21.208	20.86	87.0	62.56	86.0	.0541	.9272	20.00.6	C	1 12 p. m.
22	21.345	20.55	88.0	62.61	87.1	.0490	.9277	20.01 3	C	2 12 „
23	21.208	20.22	88.8	62.48	87.5	.0436	.9263	20.01.4	C	3 12 „
Oct. 31st-Noon.	20·796	19.85	87·2	62.51	87·1	.0375	.9266	20°02'3	C	4 12 „
1	21.276	19.38	85.8	62.52	86.5	.0380	.9267	20.02.4	L	5 12 „
2	21.758	19.61	84.6	62.62	85.5	.0336	.9278	20.03.3	L	6 12 „
3	22.512	19.48	83.8	62.66	84.6	.0315	.9283	20.03.7	B	7 12 „
4	22.168	19.52	83.6	62.65	84.4	.0321	.9282	20.03.6	B	8 12 „
5	22.032	19·58	83.4	62·67	84.2	.0331	.9284	20·03·6	B	9 12 „
6	22.305	19.49	83.0	62.71	83.8	.0317	.9288	20·03.9	L	10 12 „
7	22.374	19.39	82.2	62.74	83.3	.0300	.9291	20.04·3	L	11 12 „
8	23.609	19·17	81.8	62.74	83.0	.0264	.9291	20.04.8	L	Midnight.
9	23.198	19.38	81.5	62.78	82.9	.0298	.9296	20.04.5	C	1 12 a. m.
10	23.060	19.17	81.2	62.77	82.3	.0264	.9295	20.05.0	C	2 12 „
11	22.444	19.24	80.9	62.78	82.2	.0276	.9296	20.04.8	C	3 12 „

On the 28th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST OCTOBER TO 2ND NOVEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Oct. 31st—12	21.036	19.42	80.8	62.80	82.1	8.0305	2.9298	20.04.5	C	4 12 a. m.
13	22.032	19.34	80.2	62.80	81.6	.0292	.9298	20.04.7	B	5 12 „
14	22.787	19.06	80.2	62.83	81.5	.0246	.9301	20.05.3	B	6 12 „
15	23.335	18.82	80.2	62.86	81.3	.0206	.9305	20.06.1	B	7 12 „
16	25.120	19.23	80.7	62.86	81.3	.0274	.9305	20.05.3	B	8 12 „
17	26.286	19.66	82.0	62.93	81.7	.0344	.9303	20.04.3	L	9 12 „
18	25.737	19.96	83.5	62.86	82.8	.0393	.9305	20.03.7	L	10 12 „
19	23.953	20.35	85.0	62.68	83.9	.0457	.9285	20.02.0	L	11 12 „
20	23.473	20.31	86.5	62.65	85.0	.0451	.9282	20.01.9	L	Noon.
21	22.581	19.96	87.5	62.67	85.8	.0393	.9284	20.02.0	C	1 12 p. m.
22	22.168	19.65	87.0	62.66	86.0	.0342	.9283	20.03.5	C	2 12 „
23	22.168	19.48	86.6	62.54	86.1	.0315	.9289	20.03.1	C	3 12 „
Nov. 1st-Noon.	22.168	19.49	85.9	62.65	86.5	.0317	.9282	20.03.6	C	4 12 „
1	21.758	19.40	85.0	62.58	86.0	.0302	.9274	20.03.6	C	5 12 „
2	21.758	19.13	84.0	62.61	85.2	.0257	.9277	20.04.3	B	6 12 „
3	22.168	19.09	83.9	62.66	84.7	.0251	.9283	20.04.6	B	7 12 „
4	22.305	19.04	83.5	62.68	84.4	.0243	.9285	20.04.9	B	8 12 „
5	22.101	18.93	83.2	62.72	84.0	.0224	.9289	20.05.2	N	9 12 „
6	22.237	18.96	83.0	62.72	83.9	.0229	.9289	20.05.1	N	10 12 „
7	22.718	18.91	82.6	62.70	83.2	.0221	.9287	20.05.2	N	11 12 „
8	22.787	18.92	82.2	62.74	83.0	.0222	.9291	20.05.3	N	Midnight.
9	21.963	18.90	81.7	62.73	82.9	.0219	.9290	20.05.3	C	1 12 a. m.
10	21.895	18.99	81.3	62.77	82.4	.0234	.9295	20.05.3	C	2 12 „
11	21.276	19.07	80.9	62.76	82.0	.0244	.9293	20.05.2	C	3 12 „
12	21.792	19.07	80.7	62.80	81.9	.0244	.9298	20.05.4	C	4 12 „
13	22.365	19.10	80.4	62.80	81.5	.0252	.9298	20.05.2	B	5 12 „
14	22.032	19.10	80.3	62.82	81.4	.0252	.9300	20.05.3	B	6 12 „
15	23.130	19.10	80.5	62.89	81.2	.0252	.9308	20.05.6	B	7 12 „
16	24.021	19.55	81.0	62.84	81.3	.0326	.9302	20.04.3	B	8 12 „
17	24.363	19.86	82.0	62.81	82.0	.0377	.9299	20.03.6	N	9 12 „
18	23.198	20.23	83.5	62.78	82.7	.0438	.9297	20.02.8	N	10 12 „
19	22.168	20.39	84.4	62.70	83.3	.0464	.9287	20.02.1	N	11 12 „
20	11.688	20.25	85.2	62.72	84.0	.0441	.9289	20.02.4	N	Noon.
21	21.963	20.12	85.8	62.75	85.0	.0419	.9293	20.02.8	C	1 12 p. m.
22	22.374	19.93	86.0	62.78	85.3	.0388	.9296	20.03.3	C	2 12 „
23	22.648	19.76	86.0	62.78	85.9	.0361	.9296	20.03.7	C	3 12 „
Nov. 2nd-Noon.	22.581	19.57	85.3	62.83	86.0	.0330	.9301	20.04.3	C	4 12 „
1	21.758	19.57	84.2	62.84	85.9	.0330	.9302	20.04.3	C	5 12 „
2	21.482	19.34	83.5	62.78	84.3	.0292	.9296	20.04.6	B	6 12 „
3	21.895	19.28	83.1	62.77	84.1	.0282	.9295	20.04.8	B	7 12 „
4	22.168	19.15	82.9	62.76	83.8	.0260	.9294	20.04.9	B	8 12 „
5	22.101	19.24	81.9	62.75	83.3	.0276	.9293	20.04.7	N	9 12 „
6	21.963	19.15	82.2	62.79	83.1	.0260	.9297	20.05.1	N	10 12 „
7	20.728	19.34	82.5	62.89	83.0	.0292	.9308	20.05.1	G	11 12 „
8	20.796	19.22	81.9	62.88	82.6	.0272	.9307	20.05.4	G	Midnight.
9	23.404	19.20	81.3	62.85	82.3	.0269	.9304	20.05.2	C	1 12 a. m.
10	22.854	19.28	81.0	62.82	82.1	.0282	.9300	20.05.0	C	2 12 „
11	22.991	19.27	80.9	62.84	82.6	.0282	.9302	20.05.0	C	3 12 „
12	22.649	19.34	80.6	62.84	81.9	.0292	.9302	20.04.8	C	4 12 „
13	21.895	19.42	80.3	62.83	81.5	.0305	.9301	20.04.6	B	5 12 „
14	22.101	19.38	80.1	62.85	81.0	.0298	.9304	20.04.8	B	6 12 „
15	22.305	19.62	80.1	62.83	80.9	.0337	.9301	20.04.2	B	7 12 „
16	22.787	19.97	80.1	62.87	81.1	.0395	.9306	20.03.6	B	8 12 „
17	23.335	20.44	82.2	62.87	81.8	.0473	.9306	20.02.7	L	9 12 „
18	23.267	20.81	83.5	62.83	82.5	.0533	.9301	20.01.9	L	10 12 „
19	23.060	20.88	84.0	62.79	83.1	.0544	.9297	20.01.7	L	11 12 „
20	22.101	20.75	84.6	62.76	83.7	.0523	.9294	20.01.7	L	Noon.
21	22.787	20.21	85.0	62.79	84.5	.0435	.9297	20.02.8	C	1 12 p. m.
22	23.130	20.03	85.7	62.75	85.1	.0405	.9293	20.03.0	C	2 12 „
23	23.335	19.96	86.0	62.77	85.7	.0393	.9295	20.03.3	C	3 12 „

On the 31st, at about 19h., Dip as obtained by Observation was 19°01′2.

DAILY OBSERVATIONS FROM 3RD TO 6TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 3RD-Noon.	22'444	19.75	85°8	62.68	86°0	8.0359	2.9285	20°03'3	C	4 12 p. m.
1	21.345	19.53	84.9	62.65	85.5	.0323	.9282	20.03.6	L	5 12 ,,
2	21.415	19.48	84.0	62.75	85.0	.0315	.9293	20.04.1	B	6 12 ,,
3	22.101	19.25	83.6	62.79	84.5	.0277	.9297	20.04.9	B	7 12 ,,
4	21.758	19.26	83.3	62.74	84.1	.0279	.9291	20.04.6	B	8 12 ,,
5	21.826	19.39	82.9	62.77	83.7	.0300	.9295	20.04.5	B	9 12 ,,
6	21.895	19.40	82.5	62.78	83.4	.0302	.9296	20.04.5	L	10 12 ,,
7	22.787	18.81	82.2	62.77	83.1	.0205	.9295	20.05.7	L	11 12 ,,
8	23.060	19.18	82.0	62.78	82.8	.0265	.9296	20.04.9	L	Midnight.
9	22.854	19.21	81.7	62.78	82.6	.0271	.9296	20.04.9	C	1 12 a. m.
10	22.581	19.13	81.0	62.79	82.1	.0257	.9297	20.05.1	C	2 12 ,,
11	22.305	19.14	80.8	62.75	81·7	.0259	.9293	20.04.9	C	3 12 ,,
12	22.032	19.14	80.2	62.77	81.3	.0259	.9295	20.05.0	C	4 12 ,,
13	21.276	19.19	80.0	62.78	80.9	.0267	.9296	20.04.9	B	5 12 ,,
14	21.688	19.27	79.9	62.78	80·9	.0281	.9296	20.04.8	B	6 12 ,,
15	22.032	19.43	80.4	62.81	80.9	.0307	.9299	20.04.5	B	7 12 ,,
16	23.404	19.87	81.2	62.79	81.2	.0379	.9297	20.03.6	B	8 12 ,,
17	24.295	20.23	82.2	62.77	81.7	.0438	.9295	20.02.7	L	9 12 ,,
18	23.404	20.55	83.5	62.75	82·4	.0490	.9293	20.01.9	L	10 12 ,,
19	22.718	20.69	84.4	62.75	83.3	.0513	.9293	20.01.9	L	11 12 ,,
20	22.444	20.53	85.4	62.76	84.0	.0487	.9294	20.01.9	L	Noon.
21	22.991	20.25	85.8	62.86	84.7	.0441	.9305	20.03.1	C	1 12 p. m.
22	23.473	19.98	85.8	62.80	85.0	.0396	.9298	20.03.3	C	2 12 ,,
23	23.540	19.84	85.8	62.76	85.4	.0374	.9294	20.03.5	C	3 12 ,,
Nov. 4TH-Noon.	22.991	19.73	85.4	62.72	85.9	.0356	.9289	20.03.4	C	4 12 ,,
1	21.758	19.58	84.6	62.64	85.4	.0331	.9280	20.03.5	L	5 12 ,,
2	21.619	19.49	84.0	62.79	84.8	.0317	.9297	20.04.3	B	6 12 ,,
3	21.826	19.32	83.6	62.81	84.4	.0288	.9299	20.04.7	B	7 12 ,,
4	21.826	19.23	83.4	62.80	84.1	.0274	.9298	20.05.0	B	8 12 ,,
5	22.032	19.17	83.0	62.83	83.8	.0264	.9301	20.05.5	B	9 12 ,,
6	22.168	19.19	82.3	62.88	83.3	.0267	.9307	20.05.4	L	10 12 ,,
7	22.374	19.13	82.3	62.90	83.3	.0257	.9300	20.05.2	L	11 12 ,,
8	22.305	19.15	81.9	62.91	82·9	.0260	.9301	20.05.2	L	Midnight.
9	22.237	19.10	81.3	63.02	82.5	.0252	.9322	20.06.1	C	1 12 a. m.
10	22.478	19.14	80.9	62.90	82.1	.0259	.9300	20.05.2	C	2 12 ,,
11	22.101	19.36	80.8	62.86	82.0	.0295	.9305	20.04.9	C	3 12 ,,
12	21.758	19.39	80.5	62.90	81.6	.0300	.9300	20.04.7	C	4 12 ,,
13	22.305	19.37	80.1	62.89	81.3	.0297	.9308	20.05.0	B	5 12 ,,
14	21.345	19.52	8.00	62.93	80.9	.0321	.9303	20.04.5	B	6 12 ,,
15	21.758	19.60	80.3	62.98	81.0	.0334	.9309	20.04.6	B	7 12 ,,
16	22.649	20.19	81.0	62.93	81.1	.0431	.9303	20.03.1	B	8 12 ,,
17	22.444	20.62	82.0	62.85	81.6	.0501	.9304	20.02.4	L	9 12 ,,
18	21.826	20.97	83.6	62.83	82.5	.0559	.9301	20.01.5	L	10 12 ,,
19	20.659	20.94	84.5	62.78	83·2	.0554	.9296	20.01.4	L	11 12 ,,
20	21.139	20.88	85.7	62.78	84.4	.0544	.9296	20.01.6	L	Noon.
21	22.101	20.59	86.5	62.82	85.6	.0497	.9300	20.02.3	C	1 12 p. m.
22	22.512	20.32	86.7	62.76	86.0	.0452	.9294	20.02.4	C	2 12 ,,
23	22.787	20.11	86.6	62.72	86.3	.0418	.9289	20.02.6	C	3 12 ,,
Nov. 6TH-Noon.	21.826	20.52	86.5	27.82	86·6	.0485	.7871	19.06.4	B	4 12 ,,
1	20.933	19.98	86.3	27.86	86.1	.0396	.7875	19.07.8	B	5 12 ,,
2	21.139	19.36	84.2	28.12	85.2	0.295	.7903	19.10.3	B	6 12 ,,
3	22.101	19.35	84.0	27.66	84·8	.0293	.7853	19.08.4	B	7 12 ,,
4	21.963	19.27	83.4	27.66	84.5	.0281	.7853	19.08.6	B	8 12 ,,
5	22.101	19.44	83.0	27.70	84.0	.0309	.7857	19.08.4	B	9 12 ,,
6	22.649	19.14	82.3	27.85	83.7	.0259	.7874	19.09.5	B	10 12 ,,
7	22.374	19.26	82.0	27.84	83.4	.0279	.7872	19.09.2	L	11 12 ,,
8	22.374	19.22	82·2	27.99	83.0	.0272	.7889	19.10.0	L	Midnight.
9	21.758	19.46	82.0	28.09	82.9	.0312	.7900	19.10.0	C	1 12 a. m.
10	21.758	19.49	82·0	28.06	82.7	.0317	.7897	19.09.7	C	2 12 ,,
11	21.208	19.47	81·2	28.07	82.4	.0314	.7898	19.09.9	C	3 12 ,,

On the 3rd, at about 19h.10m., Dip as obtained by Observation was 19°03'8.
On the 4th, at about 19h. 10m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 6TH—12	21'071	19.41	80°0	28.09	82°2	8.0304	2.7900	19°10'1	C	4 12 a. m.
13	21.071	19.59	80.8	28.30	81.8	.0333	.7923	19.10.6	B	5 12 „
14	21.139	19.62	80.6	28.25	81.6	.0337	.7918	19.10.3	B	6 12 „
15	22.032	19.68	81.0	28.24	81.4	.0347	.7916	19.10.0	B	7 12 „
16	22.444	20.27	81.6	28.05	81.7	.0445	.7891	19.07.9	B	8 12 „
17	22.718	20.65	83.0	27.81	82.1	.0506	.7869	19.06.1	L	9 12 „
18	22.718	20.75	84.3	27.51	83.0	.0523	.7836	19.04.9	L	10 12 „
19	22.237	20.66	86.2	27.56	84.1	.0508	.7842	19.05.1	L	11 12 „
20	21.826	20.75	87.0	27.54	85.4	.0523	.7839	19.04.8	L	Noon.
21	22.991	20.33	87.9	27.09	86.2	.0454	.7790	19.02.8	C	1 12 p. m.
22	24.295	19.72	87.8	26.95	86.7	.0354	.7775	19.04.5	C	2 12 „
23	22.237	19.58	87.6	26.89	87.0	.0331	.7768	19.04.5	C	3 12 „
Nov. 7TH-Noon.	21.482	19.39	87.0	26.83	87.0	.0300	.7761	19.04.6	C	4 12 „
1	21.002	19.04	85.7	26.89	86.3	.0243	.7768	19.05.7	L	5 12 „
2	22.168	18.88	84.9	27.22	85.8	.0216	.7804	19.07.3	B	6 12 „
3	22.718	18.37	84.1	27.25	85.0	.0133	.7808	19.08.7	B	7 12 „
4	22.581	18.50	83.6	27.04	84.6	.0154	.7784	19.07.4	B	8 12 „
5	22.512	18.89	83.3	27.17	84.3	.0218	.7799	19.07.1	B	9 12 „
6	22.718	19.31	83.0	27.27	83.9	.0287	.7810	19.06.7	L	10 12 „
7	22.787	19.17	82.5	27.31	83.7	.0264	.7814	19.07.2	L	11 12 „
8	22.581	19.17	82.1	27.31	83.1	.0264	.7814	19.07.2	L	Midnight.
9	22.101	19.15	82.3	27.39	83.0	.0260	.7823	19.07.6	C	1 12 a. m.
10	21.619	19.35	82.5	27.46	83.0	.0293	.7831	19.07.5	C	2 12 „
11	22.512	19.17	81.6	27.48	82.8	.0264	.7833	19.08.0	C	3 12 „
12	21.139	19.12	81.2	27.47	82.4	.0255	.7832	19.07.9	C	4 12 „
13	22.101	19.26	80.9	27.52	82.3	.0279	.7837	19.08.0	B	5 12 „
14	22.101	19.55	81.0	27.64	82.0	.0326	.7850	19.07.9	B	6 12 „
15	23.130	19.54	81.6	27.66	82.0	.0325	.7853	19.07.9	B	7 12 „
16	23.953	19.96	82.3	27.45	82.2	.0393	.7830	19.06.2	B	8 12 „
17	24.021	20.32	83.4	27.10	82.6	.0452	.7791	19.03.8	L	9 12 „
18	23.130	20.43	84.3	26.74	83.1	.0471	.7751	19.02.1	L	10 12 „
19	21.415	20.60	85.3	26.63	84.2	.0498	.7739	19.01.2	L	11 12 „
20	21.071	20.68	86.7	26.82	85.6	.0511	.7760	19.01.9	L	Noon.
21	21.551	20.46	87.6	27.30	86.6	.0476	.7813	19.04.4	C	1 12 p. m.
22	21.758	20.19	88.0	27.15	87.3	.0431	.7797	19.04.4	C	2 12 „
23	21.963	20.00	88.1	27.17	89.5	.0400	.7799	19.04.8	C	3 12 „
Nov. 8TH-Noon.	21.826	19.73	87.8	27.11	87.6	.0356	.7792	19.05.0	C	4 12 „
1	21.758	19.46	86.7	26.98	86.8	.0312	.7778	19.05.2	L	5 12 „
2	21.963	19.29	85.6	27.30	86.0	.0284	.7813	19.07.0	B	6 12 „
3	22.444	18.97	84.6	27.39	85.5	.0231	.7823	19.08.0	B	7 12 „
4	22.444	18.89	84.2	27.37	85.1	.0218	.7821	19.08.0	B	8 12 „
5	22.854	18.72	84.1	27.46	84.6	.0190	.7831	19.08.8	B	9 12 „
6	23.060	18.66	83.2	27.45	84.4	.0180	.7830	19.09.0	L	10 12 „
7	22.787	19.28	82.7	27.03	83.8	.0282	.7838	19.08.0	L	11 12 „
8	22.374	19.33	82.7	27.61	83.5	.0290	.7847	19.08.2	L	Midnight.
9	22.101	19.16	82.5	27.58	83.4	.0262	.7844	19.08.4	C	1 12 a. m.
10	22.374	19.13	82.5	27.63	83.5	.0257	.7849	19.08.6	C	2 12 „
11	22.649	19.29	82.6	27.70	83.3	.0281	.7857	19.08.8	C	3 12 „
12	21.758	19.29	82.2	27.74	83.1	.0284	.7861	19.08.8	C	4 12 „
13	21.826	19.24	82.0	27.79	83.0	.0276	.7867	19.09.1	B	5 12 „
14	21.826	19.47	81.9	27.86	82.8	.0314	.7875	19.09.0	B	6 12 „
15	23.060	19.53	81.6	27.92	82.4	.0323	.7881	19.09.0	B	7 12 „
16	23.816	19.93	82.5	27.83	82.7	.0372	.7871	19.08.0	B	8 12 „
17	23.884	20.39	84.0	27.50	83.2	.0464	.7835	19.05.5	L	9 12 „
18	23.473	20.57	85.4	27.08	84.2	.0494	.7789	19.03.4	L	10 12 „
19	22.101	20.46	86.4	26.89	85.1	.0476	.7768	19.02.6	L	11 12 „
20	21.139	20.29	87.4	27.03	86.0	.0448	.7783	19.05.5	L	Noon.
21	21.688	20.10	88.0	27.29	86.5	.0416	.7812	19.05.0	C	1 12 p. m.
22	21.482	19.87	88.2	27.33	87.0	.0379	.7816	19.05.8	C	2 12 „
23	21.482	19.72	88.0	27.41	87.5	.0354	.7825	19.06.5	C	3 12 „

On the 7th, at about 19h. 10m., Dip as obtained by Observation was 18°56'5.

DAILY OBSERVATIONS FROM 9TH TO 11TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 9TH-Noon.	21'619	19.58	87°0	27.38	87°3	8.0331	2.7822	19°06'6	C	4 12 p. m.
1	21·895	19.44	85.4	27.70	86.5	.0309	.7857	19.08.4	L	5 12 ,,
2	22.649	19.16	84.5	27.81	85.5	.0262	.7869	19.09.3	B	6 12 ,,
3	22.923	19.15	84.1	27.97	86·1	.0260	.7887	19.10.1	B	7 12 ,,
4	22·168	19·18	83·9	27·67	84.9	.0265	.7854	19.08·7	B	8 12 ,,
5	22.168	19.20	83·9	27.70	84.5	.0269	.7857	19.08.9	B	9 12 ,,
6	22.787	19.05	83·2	27.78	84·2	.0244	.7866	19.09.5	L	10 12 ,,
7	23·609	18.85	82.8	27.86	83.8	.0211	.7875	19.10.3	L	11 12 ,,
8	23.404	18.93	82.6	27.92	83.4	.0224	.7881	19·10.3	L	Midnight.
9	22.581	19.24	82.3	27.98	83.2	.0276	.7888	19.09.9	C	1 12 a. m.
10	22·787	19.22	82.2	27.98	83.0	.0272	.7888	19.10.0	C	2 12 ,,
11	22.305	19.14	82.0	27.98	82.8	.0259	.7888	19.10·1	C	3 12 ,,
12	22.168	18.75	81·6	28.06	82·5	.0195	.7897	19.11.3	C	4 12 ,,
13	21.758	19·21	81.1	28.09	82·2	.0271	.7900	19.10.5	B	5 12 ,,
14	21.688	19·36	80·5	28.10	81.6	.0295	.7901	19.10.1	B	6 12 ,,
15	22.512	19.54	81.3	28·20	81·6	.0325	.7912	19.10.1	B	7 12 ,,
16	23·540	19.97	82.6	28.22	82·3	.0395	.7914	19.09.3	B	8 12 ,,
17	24.707	20.22	83·6	27·93	82·7	.0436	.7882	19.07.5	L	9 12 ,,
18	23.816	20.43	85.0	27.56	83·6	.0471	.7842	19.05.6	L	10 12 ,,
19	22.991	20.58	86.0	27.38	84.7	.0495	.7823	19.04.5	L	11 12 ,,
20	22.512	20.03	87.6	27·50	85·9	.0487	.7835	19.05.1	L	Noon.
21	23.130	20.13	88.0	27.70	86·7	.0421	.7857	19.06.9	C	1 12 p. m.
22	22.649	19.98	88.6	27·67	87.1	.0396	.7854	19.07.0	C	2 12 ,,
23	22.512	19.63	88.0	27.72	87.4	.0339	.7848	19.07.6	C	3 12 ,,
Nov. 10TH-Noon.	22.444	19.72	87.4	27.75	87.5	.0354	.7863	19.08.9	C	4 12 ,,
1	21.345	19.58	86.1	27.55	86.5	.0331	.7841	19.07.4	L	5 12 ,,
2	21.619	19.35	85·0	27.82	85.8	.0293	.7870	19.09·0	B	6 12 ,,
3	23·130	18.83	84.5	27.98	85.4	.0208	.7888	19.10.8	B	7 12 ,,
4	22.718	18.52	84.1	27·90	85.2	.0157	.7879	19.11.0	B	8 12 ,,
5	22.305	18·75	83.9	27·87	84.9	.0195	.7876	19.10.4	B	9 12 ,,
6	23·473	18.17	83.7	28.08	84.4	.0100	.7899	19.12.6	L	10 12 ,,
7	23.355	18.88	83.6	28·19	84·2	.0216	.7911	19.11·5	L	11 12 ,,
8	23·609	18.56	83·6	28.17	83.9	.0164	.7909	19.12.2	L	Midnight.
9	22.991	18.60	83.4	28·14	83·9	.0170	.7905	19.12.0	C	1 12 a. m.
10	22·854	18.85	83·1	28.11	83·8	.0211	.7902	19.11.3	C	2 12 ,,
11	21·826	18.88	83.0	28·21	83.5	.0216	.7913	19.11.6	C	3 12 ,,
12	21.415	18.91	82·5	28.19	83.0	.0221	.7911	19.11.5	C	4 12 ,,
13	22.963	18.91	82.0	28.45	82.9	.0221	.7940	19·12.7	B	5 12 ,,
14	21.482	18.77	81.8	28.78	82.5	.0199	.7976	19.14.3	B	6 12 ,,
15	21·688	18.74	81.5	28.42	82·3	.0194	.7936	19.12.9	B	7 12 ,,
16	22·032	19.02	82.1	28·22	82.3	.0239	.7914	19.11.4	B	8 12 ,,
17	21·963	19.37	83.2	28.03	82.7	.0297	.7893	19.09.8	L	9 12 ,,
18	21·619	19.62	84.2	28·08	83·2	.0337	.7899	19.09.5	L	10 12 ,,
19	21·276	20·00	86.0	27·91	84.2	·0400	.7880	19·08.0	L	11 12 ,,
20	20·590	19.85	87.5	27·97	85·7	.0375	.7887	19.08.6	L	Noon.
21	21.551	19.91	88.9	28.27	87.2	.0385	.7920	19.09.7	C	1 12 p. m.
22	21.826	19.70	89.6	28.24	88.0	.0351	.7916	19.10.0	C	2 12 ,,
23	21.551	19.38	89.6	28.26	88.1	.0298	.7919	19.10.8	C	3 12 ,,
Nov. 11TH-Noon.	21.688	19.30	88·4	28·24	88·1	.0285	.7916	19.10.8	C	4 12 ,,
1	21.002	19.20	87.0	28.11	86.9	.0269	.7902	19.10.5	L	5 12 ,,
2	21.415	19.06	85.9	28.34	86·4	.0246	.7927	19.11.8	B	6 12 ,,
3	21.963	18.92	85.2	28.33	86.0	.0222	.7926	19.12.1	B	7 12 ,,
4	22.032	18.95	85.0	28·25	85.6	.0225	.7918	19.11.7	B	8 12 ,,
5	22.512	18.91	84·3	28·28	85.4	.0221	.7921	19.11.9	B	9 12 ,,
6	22.718	19·03	84.0	28.40	85.0	.0241	.7934	19.12.0	L	10 12 ,,
7	22·444	19.16	84·0	28·44	84.6	.0262	.7938	19.12.1	L	11 12 ,,
8	22.581	19.16	84.0	28.49	84.5	.0262	.7944	19.12.3	L	Midnight.
9	22.374	19.12	84.0	28.53	84.4	.0255	·7948	19.12.5	C	1 12 a. m.
10	22.237	19.29	83.9	28.53	84.4	·0284	.7948	19.12.3	C	2 12 ,,
11	22·101	19.26	83.5	28.58	84.2	.0279	.7954	19.12.5	C	3 12 ,,

On the 10th, at about 19h. 10m., Dip as obtained by Observation was 19°06'9.

DAILY OBSERVATIONS, FROM 11TH TO 14TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observer.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 11TH—12	22'444	19.05	83°0	28.58	83°8	8.0244	2.7954	19°12'8	C	4 12 a. m.
13	21.826	19.00	82.6	28.65	83·4	.0236	·7962	19·13.2	B	5 12 „
14	21·826	19.21	82.6	28.58	83.3	.0271	·7954	19.12.6	B	6 12 „
15	22.991	19.82	82.6	28·69	83.1	.0370	·7966	19.11.7	B	7 12 „
16	23.335	20.38	83.6	28.65	83.3	.0462	·7962	19.10.3	B	8 12 „
17	24.363	20.43	84.9	28.54	84.0	.0471	.7949	19.09.8	L	9 12 „
18	24.639	20.37	86.7	28.40	85.0	·0461	·7934	19.09.3	L	10 12 „
19	23.473	20.12	87.6	28.30	85.9	.0419	.7923	19.09.4	L	11 12 „
20	23.335	19.93	88.0	28.20	86.5	.0388	.7912	19.09.3	L	Noon.
21	24.090	19.58	89.0	28.36	87.1	.0325	.7930	19.10.9	C	1 12 p. m.
22	23.677	19.47	88.6	28.27	87.3	·0314	.7920	19.10.8	C	2 12 „
23	23.540	19.39	88.0	28.27	87·3	.0297	·7920	19.10.9	C	3 12 „
Nov. 13TH-Noon.	23.404	17.76	87.0	28.51	87.0	.0033	.7946	19.15.4	B	4 12 „
1	22.991	17.55	85.7	28.64	86.3	.9998	.7960	19·16.3	B	5 12 „
2	22.854	17.20	84.7	28.84	85·3	.9941	·7982	19.17.9	B	6 12 „
3	23.609	17.12	84.3	28.93	85.0	.9927	.7992	19·18·5	B	7 12 „
4	23.746	17.02	84.0	28.96	84.8	.9911	·7996	19.18·9	B	8 12 „
5	23.953	16.95	83.9	29.09	84.5	.9899	.8010	19.19·6	B	9 12 „
6	24.502	17.09	83.5	29.13	84.3	·9923	.8014	19·19.4	L	10 12 „
7	24.502	18.06	83.3	29.18	84.1	.0082	·8020	19·17·7	L	11 12 „
8	24.707	17.72	83.0	29.16	83.8	·0026	.8018	19.18.2	L	Midnight.
9	24.159	17.74	82.6	29.16	83.8	.0028	.8018	19.18·2	C	1 12 a. m.
10	23.335	18·27	82.7	29.16	83.5	.0117	.8018	19.17.0	C	2 12 „
11	24.021	18.29	83·0	29.31	83.5	.0120	.8034	19.17·6	C	3 12 „
12	23.473	18.30	82.9	29.27	83.4	·0121	.8030	19·17.5	C	4 12 „
13	23.198	18.24	82.4	29.22	83.3	·0112	·8024	19·17.4	B	5 12 „
14	22.787	18.48	82.4	28.80	83.2	·0151	.7978	19.15.0	B	6 12 „
15	22.032	18.60	82.5	28.82	83.3	·0170	.7980	19.14.9	B	7 12 „
16	22.032	19.13	83.2	28.85	83·4	.0257	·7984	19·13.8	B	8 12 „
17	22.854	19.26	84.1	28.84	83.9	·0269	.7982	19.13.6	L	9 12 „
18	22.581	19.45	85.2	28.52	84.6	·0310	.7947	19.11·9	L	10 12 „
19	22.444	19.67	86.2	28.50	85.0	·0346	·7945	19.11·2	L	11 12 „
20	22.649	19.68	86.4	28.54	85.4	.0347	.7949	19·11·3	L	Noon.
21	22.444	19.60	87.1	28.38	86.0	.0334	.7932	19·10.9	C	1 12 p. m.
22	22.444	19.43	87.2	28.27	86·4	.0307	·7920	19·10.8	C	2 12 „
23	22.237	19.11	87.0	28.34	86.8	.0254	.7927	19·11·8	C	3 12 „
Nov. 14TH-Noon.	22.237	18.87	85.9	28.47	86.4	.0215	.7942	19.12.7	C	4 12 „
1	21.826	18.73	85.2	28.45	85.7	.0192	·7940	19.13·1	L	5 12 „
2	22.718	18.54	84.7	28.70	85.0	.0154	·7967	19·14·6	B	6 12 „
3	22.787	18.45	83.8	28.69	84.5	·0146	·7966	19.14.5	B	7 12 „
4	22·718	18.50	83.6	28.71	84.2	·0154	.7968	19.14·6	B	8 12 „
5	22.305	18.49	83.3	28.74	84.0	·0153	.7971	19.14.7	B	9 12 „
6	22.718	18.59	83.3	28.63	83.8	.0169	·7959	19·14.1	L	10 12 „
7	23.267	18.84	83.0	28.76	83.5	.0210	·7968	19·13.9	L	11 12 „
8	23.267	18.57	82.7	28.85	83.4	·0166	.7984	19.15.0	L	Midnight.
9	22.991	18.79	82.9	28.88	83.5	·0200	·7987	19.14.8	C	1 12 a. m.
10	23.130	18.70	82.8	28.96	83.4	·0187	·7996	19.15.2	C	2 12 „
11	22.854	18.74	82.4	28.85	83.0	.0194	·7984	19.14.7	C	3 12 „
12	22.168	18.79	82.0	28.75	82.9	·0202	.7973	19.14·2	C	4 12 „
13	22.444	18.74	81.9	28.88	82.6	.0194	·7987	19·14·9	B	5 12 „
14	22.101	18.78	81.4	28.86	82.5	.0200	.7985	19·14·7	B	6 12 „
15	22.101	18.85	81.4	28.99	82.2	·0211	.7999	19·15.1	B	7 12 „
16	23.609	19.21	82.2	29.07	82.5	.0271	·8008	19.14.7	B	8 12 „
17	24.363	19.60	83.2	29·97	82.9	·0334	·7997	19.13·5	L	9 12 „
18	23.816	20.00	84.8	28.38	83.3	.0400	·7933	19·11.1	L	10 12 „
19	22.923	20.20	85.3	28.01	84·2	.0433	.7891	19·08.0	L	11 12 „
20	22.854	20.12	86.7	28.10	85.0	·0418	.7901	19.08.5	L	Noon.
21	22.512	19.79	86.9	28.01	85.4	.0366	.7891	19.08.8	C	1 12 p. m.
22	21·415	19.72	86.9	28.01	85.9	.0354	·7891	19·09.0	C	2 12 „
23	21.963	19·49	86.6	28.18	85.9	·0317	.7910	19·10.2	C	3 12 „

On the 11th, at about 19h. 20m., Deflection Observations were taken.
On the 14th, at about 19h. 15m., Dip as obtained by Observation was 19°02'5.

DAILY OBSERVATIONS FROM 15TH TO 17TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 15TH-Noon.	22·512	19.13	85·8	28·34	85·9	8.0257	2.7927	19°11·7	C	4 12 p. m.
1	22.787	18.84	85.0	28.37	85.0	.0210	.7931	19.12.5	L	5 12 „
2	22.854	18.70	83.9	28.57	84.3	.0187	.7953	19.13.6	B	6 12 „
3	23.180	18.54	83.3	28.62	84.0	.0161	.7958	19.14.2	B	7 12 „
4	22.991	18·64	83.0	28.63	83.5	.0177	.7959	19.14.0	B	8 12 „
5	22.991	18.71	82.6	28.72	83.4	.0189	.7969	19.14.1	B	9 12 „
6	22.923	18.81	82.3	28.74	83.0	.0205	.7971	19.14.0	L	10 12 „
7	22.581	19.07	82.1	28.76	82.8	.0248	.7974	19.13.5	L	11 12 „
8	22.649	19.10	82.0	28·86	82.6	.0252	.7985	19.14.0	L	Midnight.
9	22.581	19.10	81·6	28.88	82.5	.0252	.7987	19.14.1	C	1 12 a. m.
10	21.826	19.26	81.3	29.02	82.2	.0279	.8002	19.14.3	C	2 12 „
11	22.101	19.17	81.5	28.96	82.0	.0264	.7996	19.14.3	C	3 12 „
12	21.963	19.16	81.1	28.91	82.0	.0262	.7990	19.14.1	C	4 12 „
13	21.619	19.46	81.0	29.00	81.7	.0312	.8000	19.13·9	B	5 12 „
14	21.758	19.57	80.4	28.89	81.4	.0330	.7988	19.13.1	B	6 12 „
15	20.933	19.64	79.5	28.82	80.8	.0341	.7980	19.12.7	B	7 12 „
16	21.895	19.92	80.3	28.89	81.0	.0385	.7988	19.12.3	B	8 12 „
17	22.581	20.36	82.0	28.93	81.5	.0459	.7992	19.11.5	L	9 12 „
18	22.512	20.47	83.4	28.77	82.2	.0478	.7975	19.10.7	L	10 12 „
19	22.512	20.56	84.4	28.69	82.9	.0492	.7966	19.10.1	L	11 12 „
20	22.237	20.67	85.7	28.57	84.0	.0510	.7953	19.09·5	L	Noon.
21	21.415	20.32	86.0	28.54	84.6	.0452	.7949	19.10.0	C	1 12 p. m.
22	21.826	20.27	86.5	28.46	85.2	.0445	.7941	19.09.7	C	2 12 „
23	21.963	20.07	86.4	28.17	85.6	.0412	.7909	19.09.0	C	3 12 „
Nov. 16TH-Noon.	22.512	19.97	85.7	28.61	85.3	.0395	.7957	19.11.1	C	4 12 „
1	22.374	18.88	84.9	28.54	84.5	.0216	.7949	19.13.0	L	5 12 „
2	22.444	18.43	84·0	28.78	84.2	.0143	.7976	19.15.1	B	6 12 „
3	22.854	18.16	83.4	28.83	83.6	.0098	.7981	19.15.8	B	7 12 „
4	22.787	18.59	83.3	28.85	83.4	.0169	.7984	19.15.0	B	8 12 „
5	22.444	18.70	83.0	28.90	83·2	.0187	.7989	19.14.9	B	9 12 „
6	22.787	18.98	82.7	28.99	83.1	.0232	.7999	19.14.8	L	10 12 „
7	22.718	18.97	82.6	29.04	83.0	.0231	.8004	19.15.0	L	11 12 „
8	22.305	19.37	82.4	29.04	82.9	.0297	.8004	19.14.1	L	Midnight.
9	22.237	19.23	82.1	29.07	83.0	.0274	.8007	19.14.7	C	1 12 a. m.
10	22.444	19.13	81.9	29.07	82.5	.0257	.8007	19.14.8	C	2 12 „
11	22.581	19.09	81.4	29.05	82.1	.0251	.8005	19.14.8	C	3 12 „
12	21.895	19.26	81.7	29.05	82.1	.0279	.8005	19.14.5	C	4 12 „
13	21.826	19.13	81.5	29.06	82.0	.0257	.8006	19.14.7	B	5 12 „
14	21.345	19.25	81.4	29.06	82.0	.0277	.8006	19.14.5	B	6 12 „
15	21.071	19.57	81.5	29.18	81·9	.0330	.8020	19.14.4	B	7 12 „
16	22.374	19.93	82.5	29.32	82.2	.0380	.8035	19.14.2	B	8 12 „
17	22.649	20.32	83.3	29.09	82.4	.0452	.8010	19.12.4	L	9 12 „
18	22.444	20.78	84.9	28.66	83.3	.0528	.7963	19.09.5	L	10 12 „
19	21.345	21.07	85.7	28.60	84.1	.0576	.7956	19.08.7	L	11 12 „
20	22.032	20.87	87.1	28.62	85.4	.0543	.7947	19.08.9	L	Noon.
21	22.305	20.39	88.0	28.59	86.2	.0464	.7955	19.10.2	C	1 12 p. m.
22	22.444	20.38	88.9	28.63	87.1	.0462	.7959	19.10.3	C	2 12 „
23	22.444	20.20	88.8	28.62	87.4	.0433	.7969	19.11.0	C	3 12 „
Nov. 17TH-Noon.	22.649	19.85	88.0	28.58	87.6	.0375	.7954	19.11.2	C	4 12 „
1	21.963	19.57	86.9	28.44	86.3	.0330	.7938	19.11.2	L	5 12 „
2	22.305	19.44	85.1	28.71	85.3	.0309	.7968	19.12.6	B	6 12 „
3	22.581	19.19	84.6	28.70	85.0	.0267	.7967	19.13.1	B	7 12 „
4	22.787	19.10	84.1	28.70	84.6	.0252	.7967	19.13.3	B	8 12 „
5	22.787	19.07	84.0	28.66	84.5	.0248	.7963	19.13.1	B	9 12 „
6	22.444	19.13	83·7	28.78	84.2	.0257	.7976	19.13.5	L	10 12 „
7	22.718	19.14	83.3	28.92	84.0	.0259	.7991	19.14.1	L	11 12 „
8	22.649	19.18	83.2	28.96	83.8	.0265	.7996	19.14.2	L	Midnight.
9	22.787	19.59	82.6	29.01	83.6	.0333	.8001	19.13.6	C	1 12 a. m.
10	22.374	19.40	82.8	29.08	83.3	.0302	.8009	19.14.3	C	2 12 „
11	22.581	19.37	82.9	29.10	83.2	.0297	.8011	19.14.4	C	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 20TH NOVEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Nov. 17TH—12	22·649	19.35	82°6	29.08	83°0	8·0293	2.8008	19°14′4	C	4 12 a. m.
13	22·237	19.40	82.4	29.06	82.8	.0302	.8006	19.14.2	B	5 12 „
14	22.374	19.58	82.4	29.10	82.8	·0331	·8011	19.14.0	B	6 12 „
15	22.444	19.70	82.4	28.81	82.8	.0351	.7979	19.12.4	B	7 12 „
16	22.787	20.23	83.2	28.71	83·0	.0438	.7968	19.10.9	B	8 12 „
17	22·787	20.54	84.5	28.59	83·7	.0489	.7955	19.09·8	L	9 12 „
18	23.130	20.80	85.5	28.35	84.2	.0531	.7929	19.08.2	L	10 12 „
19	22.581	20·97	86·9	28.17	85.6	.0559	.7908	19.07.0	L	11 12 „
20	22.444	20.89	88.2	28.12	86·8	.0546	.7903	19.06.9	L	Noon.
21	22.374	20.79	89.3	28.05	87.7	.0530	.7896	19.06.9	C	1 12 p. m.
22	22.444	20.73	90.0	28.14	88.7	.0520	.7905	19.07.4	C	2 12 „
23	22.444	20.06	90.5	28.15	89.0	.0410	.7907	19.09.0	C	3 12 „
Nov. 18TH-Noon.	21.758	20.04	89·5	28.24	88.8	.0407	.7916	19.09.3	C	4 12 „
1	21.826	19.79	87.7	28.23	87.7	.0366	.7915	19.09.8	L	5 12 „
2	22.168	19.47	86.0	28.45	86.6	.0314	.7940	19.11.6	B	6 12 „
3	22.718	19.32	85.1	28.60	86.5	.0288	.7956	19.12.4	B	7 12 „
4	22.237	19·40	84.8	28.52	85.5	.0302	.7947	19.12.0	B	8 12 „
5	22·168	19.34	84.6	28.56	85.2	.0297	.7952	19.12.1	B	9 12 „
6	22.305	19·27	84.3	28.70	85.0	.0281	·7967	19.13.0	L	10 12 „
7	22.374	19.38	83.9	28.77	84.7	.0298	.7975	19.13.0	L	11 12 „
8	22.787	19.33	83.3	28.82	84.1	.0290	.7980	19.13.3	L	Midnight.
9	22.991	19.37	83.0	28.87	84.0	.0297	.7986	19.14.4	C	1 12 a. m.
10	22.374	19.34	82.9	29.01	83.8	.0297	.8001	19.13.0	C	2 12 „
11	22.649	19.39	83·0	28.81	83.6	.0300	.7979	19.13.1	C	3 12 „
12	22.444	19.26	82.9	28.76	83.5	.0297	.7974	19.13·2	C	4 12 „
13	22.581	19·39	82.6	28.82	83.3	.0300	.7980	19.13.2	B	5 12 „
14	22.444	19.41	82.3	28.81	83.1	.0304	.7979	19.13.1	B	6 12 „
15	21.758	19.61	82.1	28.85	83.0	.0347	.7984	19.12.6	B	7 12 „
16	21·415	19.99	83.0	28.85	83.1	.0398	.7984	19.12.0	B	8 12 „
17	21·482	20.32	83.8	28.75	83·3	.0452	.7973	19.10.9	L	9 12 „
18	21.139	20.77	85.4	28.47	84.1	.0527	.7942	19.08.8	L	10 12 „
19	20.453	20.77	86·3	28.36	84.8	.0527	.7930	19.08.3	L	11 12 „
20	21.002	20.64	86·8	28.44	85·4	.0505	·7938	19.08.9	L	Noon.
21	20.933	20.37	87.0	28.48	85.9	.0461	.7943	19.09.7	C	1 12 p. m.
92	21.071	20.18	87.6	28.39	86.3	.0429	.7933	19.09.7	C	2 12 „
23	21.071	19.97	87·4	28.40	86·5	·0395	.7934	19.10.1	C	3 12 „
Nov. 20TH-Noon.	20.933	19.91	87.6	28.38	87.6	.0385	·7932	19·10.1	B	4 12 „
1	21.415	19.88	86.9	28.57	86.9	.0380	.7953	19.11.2	B	5 12 „
2	21.895	19.76	86.0	28.75	86.3	.0361	.7973	19.12.1	B	6 12 „
3	22.581	19.51	84.6	28.88	85.3	.0320	.7987	19.13.2	B	7 12 „
4	22.581	19.45	84.1	28.80	85.0	.0310	.7978	19.13.0	B	8 12 „
5	22.444	19.44	83.5	28.64	84.6	.0309	.7960	19·12.3	B	9 12 „
6	22.581	19.38	83.0	28.65	84.4	.0298	.7962	19.14.4	L	10 12 „
7	22.649	19.54	83.3	28.73	84.2	.0325	.7970	19.12.4	L	11 12 „
8	22.305	19·59	83.2	28.87	83.9	·0333	.7986	19.13.0	L	Midnight.
9	22.854	19.45	82.8	28.89	83.5	.0310	.7988	19.13.4	C	1 12 a. m.
10	23.060	19.49	82.4	28.97	83.0	.0317	.7997	19·13.6	C	2 12 „
11	22.032	19 36	81.9	28.88	82.8	.0295	.7987	19.13.5	C	3 12 „
12	22.374	19·33	81.0	28.90	82.5	.0290	.7989	19.13.6	C	4 12 „
13	21.345	19.41	80.5	29.02	82.0	.0304	.8002	19.14.0	B	5 12 „
14	22.032	19.68	80.7	29·08	81.9	.0347	.8008	19.13.6	B	6 12 „
15	21.619	19.67	81.2	29.05	81.7	.0346	.8005	19.13.5	B	7 12 „
16	23.404	20.13	82·1	29.11	82.0	.0421	.8012	19.12.8	B	8 12 „
17	24.363	20.46	83.3	28.97	82.4	.0476	.7997	19.11.6	L	9 12 „
18	23.404	20.79	84.6	28.54	83.0	.0527	.7949	19.09.1	L	10 12 „
19	22.581	20·83	86.0	28.48	84.0	.0336	.7943	19·08.7	L	11 12 „
20	22.032	20.80	86.9	28.50	85.0	.0531	.7945	19.08.9	L	Noon.
21	22.787	20.50	87·9	28.48	86.3	.0482	.7943	19·09·5	L	1 12 p. m.
22	22.923	20.37	88.9	28.36	87.2	.0861	.7930	19.09.2	C	2 12 „
23	22.444	20.24	89.4	28.23	87.8	.0440	.7915	19.08.9	C	3 12 „

On the 17th, at about 19h. 10m., Dip as obtained by Observation was 19°06′2.
On the 18th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 21ST-Noon.	22·032	20.09	89°0	28.24	88°0	8.0415	2.7916	19°09'1	C.	4 12 p. m.
1	21.551	19.92	87.6	28.44	87.3	.0386	.7938	19.10.4	L	5 12 ,,
2	21.826	19.79	86.4	28.64	86.4	.0366	.7960	19.11.5	B	6 12 ,,
3	22.444	19.52	85.1	28·87	85.5	·0321	.7986	19.13.1	B	7 12 ,,
4	22.374	19.46	84.5	28.81	85.2	·0312	.7979	19.13.0	B	8 12 ,,
5	22.305	19.40	84.3	28.75	84.9	.0302	.7973	19·12.9	B	9 12 ,,
6	22.512	19.43	83.6	28.79	84.7	.0307	.7977	19.13.0	L	10 12 ,,
7	22·444	19.56	83.9	28.88	84.4	·0328	.7987	19.13.1	L	11 12 ,,
8	22.581	19.51	83.5	28·88	84.1	.0320	.7987	19.13.2	L	Midnight.
9	22.512	19.61	83.0	28.92	83.9	.0336	·7991	19.13.1	C	1 12 a. m.
10	22.374	19.49	83.0	29.07	83.5	.0317	.8008	19.14.0	C	2 12 ,,
11	22.374	19.69	83.0	29.10	83.3	.0349	.8011	19.13.7	C	3 12 ,,
12	22.374	19.60	82.2	29.10	83.2	.0334	.8011	19.14.0	C	4 12 ,,
13	21.895	19.45	81.9	28.83	82.8	.0310	.7981	19.13.1	B	5 12 ,,
14	21.415	19.75	81.8	28.74	82.6	.0359	.7971	19.12.0	B	6 12 ,,
15	21.276	20.04	82.1	28.93	82.6	.0407	.7992	19.12.2	B	7 12 ,,
16	22.168	20.27	82.6	29.03	82.6	.0445	.8003	19.12.1	B	8 12 ,,
17	22.923	20.66	84.0	28.74	83.0	.0508	.7971	19.10.1	L	9 12 ,,
18	22.512	20.92	85.6	28.47	84.0	.0550	.7942	19.08.4	L	10 12 ,,
19	21·619	21.12	87.0	28·31	85.0	.0583	.7924	19·07.4	L	11 12 ,,
20	21.688	21.02	87.6	28.53	86.0	.0567	.7948	19.08.5	L.	Noon.
21	22.305	20.85	88·7	28.52	87.4	·0539	.8947	19.08.9	C	1 12 p. m.
22	21.526	20.69	89.9	28.44	88.0	.0513	.7938	19·08.9	C	2 12 ,,
23	21.551	20.30	89.5	28.29	88.0	.0449	.7922	19.08·9	C	3 12 ,,
Nov. 22ND-Noon.	21.071	20.07	88.6	28.35	88.2	.0412	.7929	19.09.8	C	4 12 ,,
1	21.071	19.85	87.0	28.44	87·4	.0375	.7938	19.10.6	L	5 12 ,,
2	21.415	19.66	85.6	28.71	86·4	.0344	.7968	19.12.2	B	6 12 ,,
3	21.895	19.49	84.9	28.72	85.5	.0317	·7969	19.12.4	B	7 12 ,,
4	22.168	19.47	84.7	28.74	85.3	·0314	.7971	19.12.7	B	8 12 ,,
5	22.101	19·52	84.6	28.71	85.2	.0321	.7968	19.12 4	B	9 12 ,,
6	22·305	19.43	84.0	28.80	84.9	.0307	.7978	19.13.0	B	10 12 ,,
7	22.649	19.53	83.8	28.94	84.5	.0323	·7993	19·13.4	L	11 12 ,,
8	22.444	19.67	83.7	28.97	84.3	.0346	.7997	19.13.2	L	Midnight.
9	22.512	19.74	83.1	29.10	84.1	.0358	.8011	19.13.6	C	1 12 a. m.
10	22.101	19.75	82.8	29.11	83.8	.0359	.8012	19·13.6	C	2 12 ,,
11	21.826	19.56	82.4	29.09	83.4	.0328	·8010	19.14.0	C	3 12 ,,
12	20·796	19.62	82.0	29.08	83.1	.0337	.8009	19.13.8	C	4 12 ,,
13	21.415	19.48	81.4	29.08	82·6	.0315	.8009	19.14.0	B	5 12 ,,
14	21.276	19.74	81.2	29.07	82.4	.0358	.8008	19·13.5	B	6 12 ,,
15	21.071	19.93	81.1	29.02	82.1	.0388	.8002	19.12.8	B	7 12 ,,
16	21.551	20.23	82.1	29.11	82.3	.0438	.8012	19.12.6	B	8 12 ,,
17	23.267	20.58	83.0	29.16	82.5	.0495	.8018	19.12.1	L	9 12 ,,
18	23.473	20.83	84·6	28.88	83.2	.0536	.7987	19.10.4	L	10 12 ,,
19	23.540	21.17	86.9	28.80	84.0	.0592	.7978	19·09.3	L	11 12 ,,
20	23.473	21.07	87.0	28·70	85.1	.0576	.7967	19.09.1	L	Noon.
21	23.130	20.93	87.9	28.67	85·8	.0552	.7964	19.09.2	C	1 12 p. m.
22	23.335	20.75	88.0	28.74	86.2	.0523	.7971	19.09·9	C	2 12 ,,
23	22.512	20.32	87.5	28.49	86.2	.0452	.7944	19.09.8	C	3 12 ,,
Nov. 23RD-Noon.	21.345	20.07	87.0	28.40	86.0	.0412	.7934	19.10.0	C	4 12 ,,
1	21.482	19.96	85.5	28.59	85·0	.0393	·7955	19.11.1	L	5 12 ,,
2	21.618	19.73	84.6	28.87	85·1	.0356	.7986	19.11.6	B	6 12 ,,
3	22.101	19.57	84.3	28.96	84.6	.0330	.7996	19.13.4	B	7 12 ,,
4	22.374	19.44	84.1	28.95	84.4	.0309	.7995	19.13.7	B	8 12 ,,
5	22.649	19.38	83.3	28.87	84·1	·0298	.7986	19 13.4	B	9 12 ,,
6	22.923	19.53	83 0	29.02	83.8	.0323	.8002	19.13.7	L	10 12 ,,
7	23.060	19.55	82.5	29.05	83.4	.0326	.8005	19.13.8	L	11 12 ,,
8	22.374	19.64	82.9	29.05	83.2	.0341	.8005	19.13.7	L	Midnight.
9	22.444	19.65	82.9	29.08	83·2	.0342	.8008	19.13.8	C	1 12 a. m.
10	22.444	19.66	83.0	29.10	83·4	.0344	·8011	19.13.9	C	2 12 ,,
11	22.168	19.69	83·3	29.10	83.7	.0349	.8011	19.13·81	C	3 12 ,,

On the 21st, at about 19h. 15m., Dip as obtained by Observation was 19°05'0.

DAILY OBSERVATIONS FROM 23RD TO 25TH NOVEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 23RD—12	21'619	19.71	83°2	29.09	83°6	8.0373	2.8010	19°13'5	C	4 12 a.m.
13	21.482	19.72	83.0	29.11	83.6	.0354	.8012	19.13.7	B	5 12 ,,
14	21.482	19.79	83·0	29.12	83.3	.0366	.8013	19.13.6	B	6 12 ,,
15	21.139	19.85	82.8	29.22	83.2	.0375	.8024	19.13.9	B	7 12 ,,
16	22.237	20.29	83.5	29.34	83.2	.0448	.8037	19.13.5	B	8 12 ,,
17	22.854	20.73	84.9	29.14	84·0	.0530	.8015	19.11.7	L	9 12 ,,
18	22.923	20.98	86.0	28·96	84.6	.0560	.7996	19·10.4	L	10 12 ,,
19	22.854	20.96	86.5	28.95	85.0	.0557	.7995	19.10.4	L	11 12 ,,
20	22.718	20.84	87.3	29.00	85.3	.0538	.8000	19.10.9	L	Noon.
21	23.617	20.53	87.4	28.88	85.9	.0487	.7987	19.11·0	C	1 12 p.m.
22	23.609	20.23	86.9	28.73	86·0	.0438	.7970	19.11.0	C	2 12 ,,
23	23.130	20.03	86·8	28.39	86.3	.0405	.7933	19.10.0	C	3 12 ,,
Nov. 24TH-Noon.	22.305	19.94	85.5	28.47	85.8	.0390	·7942	19.10.5	C	4 12 ,,
1	22.305	19.86	84.3	28.58	84.8	.0377	.7954	19.11.2	L	5 12 ,,
2	22·444	19·65	83.7	28.86	84.5	.0342	.7988	19.13.0	B	6 12 ,,
3	22.374	19.58	83.6	28.89	84.2	.0331	·7988	19.13.1	B	7 12 ,,
4	22.305	19.62	83.5	28.87	84.1	.0337	.7986	19.12·9	B	8 12 ,,
5	22.512	19.49	83.1	29.07	84.0	.0317	.8008	19.14.0	B	9 12 ,,
6	22.787	19.46	82.9	29.06	83.6	.0312	.8007	19.14.2	L	10 12 ,,
7	22.787	19.47	82.5	29.25	83.4	.0314	.8028	19.15.0	L	11 12 ,,
8	22.649	19.47	82.0	29.29	83.1	.0314	.8032	19.15.1	L	Midnight.
9	22.101	19.44	82.0	29.29	83.0	.0309	.8032	19.15.1	C	1 12 a.m.
10	22.032	19.39	82·5	29.30	83.2	.0300	·8033	19.15.3	C	2 12 ,,
11	21.826	19.63	82.4	29.29	83.0	.0339	.8032	19.14.7	C	3 12 ,,
12	21.276	19.68	82.1	29.29	83.0	.0347	.8032	19.14·5	C	4 12 ,,
13	20·933	19.70	82·0	29.30	82.6	.0351	.8033	19.14.6	B	5 12 ,,
14	21.208	19.91	81.6	29.22	82.3	.0385	.8024	19.13.7	B	6 12 ,,
15	20.933	20.08	82.1	29·15	82.3	.0413	.8017	19.13.3	B	7 12 ,,
16	21.826	20.33	83.1	29.23	82.6	.0454	.8025	19.13.0	B	8 12 ,,
17	22.512	20.72	84.3	29·04	83.1	.0518	.8004	19.11.2	L	9 12 ,,
18	22.854	21.09	85.6	28.86	83·9	.0579	.7985	19.09.8	L	10 12 ,,
19	22.305	21·06	86.5	28.69	85.0	.0574	.7966	19.09.1	L	11 12 ,,
20	22.101	21.18	87.7	28·69	85.7	.0593	.7966	19.08.8	L	Noon.
21	23.198	20.89	88.2	28.84	86.3	.0546	.7988	19·10.2	C	1 12 p.m.
22	23.746	20.65	88.4	28.81	87·0	.0506	.7979	19.09.4	C	2 12 ,,
23	23·473	20.29	88.2	28.77	87.2	·0448	.7975	19.11.0	C	3 12 ,,
Nov. 25TH-Noon.	22.444	20.18	87·5	28.51	87.0	.0429	.7946	19.10.2	C	4 12 ,,
1	21.551	19.80	86.0	28.51	86.4	.0367	.7946	19.11.0	L	5 12 ,,
2	21.551	19.59	84·7	28.75	85.5	.0333	.7973	19.12.5	B	6 12 ,,
3	22.032	19.64	84.4	28.80	85.0	.0341	.7978	19.12.6	B	7 12 ,,
4	22.032	19.45	84·0	29.00	84.6	.0310	.8000	19.13.9	B	8 12 ,,
5	22.581	19.28	83.8	29.08	84.2	.0282	.8008	19.14·6	B	9 12 ,,
6	22.718	19.44	83·3	29.14	84.0	.0309	.8015	19.13.5	L	10 12 ,,
7	22.991	19.33	83.0	29.19.	83.8	.0290	.8021	19.14.9	L	11 12 ,,
8	22.923	19.45	83.0	29.25	83.5	.0310	·8028	19.15.0	L	Midnight.
9	22.923	19.62	82.6	29.25	83.3	.0337	·8028	19.14.6	C	1 12 a. m.
10	22.923	19.61	82.0	29.27	83.1	.0336	.8030	19.14.7	C	2 12 ,,
11	22.032	19.74	82.1	29.28	82.6	.0354	.8031	19.14.4	B	3 12 ,,
12	21.895	19.88	82.0	29.36	82.5	.0380	.8040	19.14·6	B	4 12 ,,
13	21.826	19.97	81.8	29.36	82·5	.0395	.8040	19.14.3	L	5 12 ,,
14	21.345	20.11	81.4	29.32	82.3	.0418	.8035	19.13.8	L	6 12 ,,
15	20.522	20.39	81.5	29.36	82.0	.0464	.8040	19·13.5	C	7 12 ,,
16	21.276	20·80	82.8	29.24	82.2	·0531	.8026	19.12.0	C	8 12 ,,
17	21·963	21.08	83.5	29.26	82.7	.0577	.8029	19·11.5	B	9 12 ,,
18	22.168	21·28	84.6	29·10	83·3	.0610	.8011	19·10.4	B	10 12 ,,
19	22·512	21.48	86·0	28.88	84.3	.0643	.7987	19.09.1	L	11 12 ,,
20	23.130	21.39	87.6	28.93	85.9	.0628	.7992	19.09.3	L	Noon.
21	23.450	21·10	88·9	28.94	86.9	.0580	.7993	19.10.1	C	1 12 p.m.
22	23.816	20.89	89.3	28.83	87.5	.0546	.7981	19.09 9	C	2 12 ,,
23	22.718	20.36	89.1	28.60	87.9	·0459	.7956	19.10 2	B	3 12 ,,

On the 24th, at about 19h. 20m., Dip as obtained by Observation was 19°08'0.
On the 25th, at about 19h. 15m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 26TH TO 29TH NOVEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Nov. 26TH-Noon.	21°895	20.28	88°1	28.48	87°9	8.0446	2.7943	19°09'8	B	4 12 p. m.
1	21.208	20.06	86.9	28.53	87.0	.0410	.7948	19.10.6	B	5 12 ,,
2	21.758	19.74	85.2	28.83	86.0	.0358	.7981	19.12.4	L	6 12 ,,
3	22.237	19.63	84.7	28.97	85.5	.0339	.7998	19.13.4	L	7 12 ,,
4	22.444	19.57	84.0	29.00	85.0	.0330	.8000	19.13.6	C	8 12 ,,
5	22.032	19.53	83.9	28.94	84.5	.0331	.7993	19.13.3	C	9 12 ,,
6	22.581	19.57	83.0	29.10	84.1	.0330	.8011	19.14.0	B	10 12 ,,
7	22.649	19.65	82.6	29.13	83.6	.0342	.8014	19.14.0	B	11 12 ,,
8	22.512	19.74	82.5	29.16	83.2	.0358	.8018	19.13.9	L	Midnight.
9	22.512	19.68	82.5	29.30	83.3	.0347	.8033	19.14.6	L	1 12 a. m.
10	22.718	19.80	82.3	29.35	83.2	.0367	.8039	19.14.6	C	2 12 ,,
11	22.512	19.63	82.0	29.39	83.0	.0339	.8043	19.15.2	C	3 12 ,,
12	22.581	19.71	82.0	29.39	82.9	.0353	.8043	19.15.0	C	4 12 ,,
13	21.895	19.77	81.6	29.32	82.4	.0363	.8035	19.14.6	B	5 12 ,,
14	21.758	19.81	81.3	29.28	82.0	.0369	.8031	19.14.3	B	6 12 ,,
15	20.796	20.05	81.3	29.39	81.5	.0408	.8043	19.14.3	B	7 12 ,,
16	21.688	20.59	81.9	29.47	81.7	.0497	.8052	19.13.4	B	8 12 ,,
17	22.374	21.10	83.0	29.58	82.0	.0580	.8064	19.12.8	L	9 12 ,,
18	22.101	21.39	84.1	29.35	82.9	.0628	.8039	19.11.2	L	10 12 ,,
19	21.139	21.66	85.9	29.08	84.0	.0672	.8009	19.09.5	L	11 12 ,,
20	22.168	21.56	87.5	29.25	85.7	.0656	.8028	19.10.4	L	Noon.
21	23.130	21.24	88.5	29.39	86.2	.0604	.8043	19.11.8	C	1 12 p. m.
22	23.677	20.79	88.2	29.50	86.7	.0530	.8055	19.13.2	C	2 12 ,,
23	23.404	20.44	87.9	29.51	86.9	.0473	.8056	19.14.1	C	3 12 ,,
Nov. 28TH-Noon.	22.101	20.30	86.7	28.85	86.7	.0449	.7984	19.11.3	B	4 12 ,,
1	21.758	20.08	85.4	28.87	85.6	.0413	.7986	19.12.0	B	5 12 ,,
2	21.688	19.98	84.3	29.10	85.0	.0396	.8011	19.13.1	B	6 12 ,,
3	22.032	19.68	83.4	29.20	84.2	.0347	.8022	19.14.1	B	7 12 ,,
4	22.101	19.51	83.0	29.16	83.6	.0320	.8018	19.14.4	B	8 12 ,,
5	22.101	19.58	82.1	29.26	83.3	.0331	.8029	19.14.7	B	9 12 ,,
6	22.512	19.61	82.1	29.34	82.7	.0320	.8037	19.15.2	B	10 12 ,,
7	22.923	19.48	83.1	29.48	82.5	.0315	.8053	19.15.8	B	11 12 ,,
8	22.787	19.44	80.9	29.44	82.0	.0309	.8048	19.15.8	B	Midnight.
9	21.826	19.61	80.8	29.52	81.9	.0336	.8057	19.15.8	C	1 12 a. m.
10	23.060	19.63	80.8	29.55	81.8	.0339	.8061	19.15.8	C	2 12 ,,
11	23.130	18.64	80.5	29.55	81.6	.0177	.8061	19.17.9	C	3 12 ,,
12	23.130	18.58	80.0	29.56	81.3	.0167	.8062	19.18.0	C	4 12 ,,
13	22.787	19.68	79.8	29.43	81.0	.0347	.8047	19.15.2	R	5 12 ,,
14	22.032	19.84	79.4	29.35	80.6	.0374	.8039	19.14.6	R	6 12 ,,
15	21.208	20.01	79.6	29.43	80.9	.0402	.8047	19.14.6	R	7 12 ,,
16	23.198	20.32	80.1	29.32	80.1	.0452	.8035	19.13.4	R	8 12 ,,
17	20.247	20.87	81.6	29.28	81.0	.0543	.8031	19.12.1	L	9 12 ,,
18	20.796	21.17	83.1	29.13	81.3	.0592	.8014	19.10.7	L	10 12 ,,
19	21.758	21.17	84.0	28.99	82.4	.0592	.7999	19.10.1	L	11 12 ,,
20	22.923	21.25	84.9	29.08	83.4	.0605	.8009	19.10.3	L	Noon.
21	23.884	21.22	85.9	29.09	84.5	.0600	.8010	19.10.5	C	1 12 p. m.
22	23.473	20.90	86.1	28.95	85.0	.0549	.7995	19.10.5	C	2 12 ,,
23	22.581	20.59	86.0	28.90	85.5	.0497	.7999	19.12.3	C	3 12 ,,
Nov. 29TH-Noon.	22.305	20.33	85.3	28.90	85.7	.0454	.7989	19.11.5	C	4 12 ,,
1	21.688	20.20	84.0	28.94	84.7	.0433	.7993	19.12.0	R	5 12 ,,
2	22.032	20.10	83.1	29.18	83.9	.0416	.8020	19.13.2	R	6 12 ,,
3	22.305	20.12	82.7	29.19	83.0	.0419	.8021	19.13.2	R	7 12 ,,
4	22.649	19.85	82.0	29.28	82.5	.0375	.8031	19.14.2	B	8 12 ,,
5	22.854	19.70	81.0	29.21	82.1	.0351	.8023	19.14.2	B	9 12 ,,
6	22.718	19.78	80.4	29.29	81.3	.0364	.8032	19.14.4	B	10 12 ,,
7	22.581	19.79	79.4	29.38	80.9	.0366	.8042	19.14.7	B	11 12 ,,
8	22.444	19.82	79.3	29.42	80.5	.0370	.8046	19.14.9	B	Midnight.
9	23.060	19.82	79.1	29.51	80.2	.0370	.8056	19.15.3	C	1 12 a. m.
10	22.854	19.88	78.8	29.50	80.0	.0380	.8055	19.15.2	C	2 12 ,,
11	22.374	19.97	78.9	29.54	79.8	.0395	.8059	19.15.0	C	3 12 ,,

On the 28th, at about 19h. 46m., Dip as obtained by Observation was 19°06'2.

DAILY OBSERVATIONS FROM 29TH NOVEMBER TO 1ST DECEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
Nov. 29TH—12	23·060	19.79	78°5	29.53	79°4	8.0366	2.8058	19°15′4	C	4 12 a. m.
13	22.512	19.97	78.4	29.61	79.0	.0395	.8067	19.15.3	R	5 12 „
14	22.168	20.15	78.6	29.65	79.0	·0424	.8071	19.15.1	R	6 12 „
15	21.895	19.86	78.4	29.67	79.0	.0377	.8074	19.15.8	R	7 12 „
16	22.512	20.01	79.0	29.77	79·0	.0402	.8085	19.16.0	R	8 12 „
17	22.854	20.20	79.9	29.68	79.4	.0433	·8075	19.15.2	B	9 12 „
18	22.032	20.73	81.0	29.45	80.0	.0520	.8060	19.13.4	B	10 12 „
19	20.865	21.09	83.0	29.10	80.8	.0579	.8011	19.15·8	B	11 12 „
20	21.551	21.16	84.0	29.18	81.9	.0590	·8020	19.11.0	B	Noon.
21	22.444	20.90	84.5	29.29	83·0	.0547	.8032	19.11.9	C	1 12 p. m.
22	22.787	20.70	85.0	29.16	83·6	.0515	.8018	19.11.8	C	2 12 „
23	22.101	20.43	85.1	29.05	84.4	.0471	.8006	19.12.0	C	3 12 „
Nov. 30TH-Noon.	21.688	20.10	84.4	29.08	84.4	.0416	.8009	19.12.7	C	4 12 „
1	21.826	20.01	83.7	29.25	83.3	.0402	.8028	19.13.8	R	5 12 „
2	22.101	19.80	82.5	29.36	82.5	.0367	.8040	19.14.7	R	6 12 „
3	22.305	19.61	82.1	29.28	82.3	.0336	.8031	19.14.7	R	7 12 „
4	22.305	19.61	81.9	29.26	82.0	.0336	.8029	19.14.6	R	8 12 „
5	22.649	19.60	81.1	29.27	81·6	.0334	.8030	19.14.8	B	9 12 „
6	22.305	19.90	80.7	29.39	81.2	.0383	.8043	19.14.7	B	10 12 „
7	22.444	19.89	80.3	29.55	80.9	.0382	.8061	19.15.3	B	11 12 „
8	22.649	19.85	80.1	29.47	80.5	.0375	.8052	19.15.0	B	Midnight.
9	22.787	19.66	80.0	29.47	80.6	.0344	.8052	19.15.5	C	1 12 a. m.
10	22.444	19.72	79.9	29.43	80.4	·0354	·8053	19.15.4	C	2 12 „
11	22.581	19.75	79.5	29.52	80.1	.0359	.8057	19.15.5	C	3 12 „
12	22.444	19.83	79.3	29.50	80.0	.0372	.8055	19.15.3	C	4 12 „
13	21.895	20.00	79.3	29.50	80.0	.0400	.8055	19·14·9	R	5 12 „
14	21.415	20.01	79.2	29.51	79.8	.0402	.8056	19.14.9	R	6 12 „
15	21.753	20.02	79.8	29.60	80·0	.0403	·8066	19.15.2	R	7 12 „
16	22.512	20.24	80.2	29.70	80.0	.0440	.8077	19.15·2	R	8 12 „
17	23·267	20.42	80.0	29.63	79.4	.0469	.8069	19.14.4	B	9 12 „
18	23.130	20.68	80.6	29.49	79.8	.0511	.8054	19·13.4	B	10 12 „
19	22.374	20.53	81.2	29.35	80.2	.0487	.8039	19.13.0	B	11 12 „
20	22.032	20.46	81.7	29.38	80.7	.0476	.8042	19.13.3	B	Noon.
21	22.374	20.43	82.2	29.34	81.4	.0471	.8037	19.13.3	C	1 12 p. m.
22	23.130	20.05	82·0	29·50	81.7	.0408	.8055	19.14.8	C	2 12 „
23	22.551	19.61	81.3	29.42	82.4	.0336	.8046	19·15·4	C	3 12 „
Dec. 1ST-Noon.	21.963	19·75	80.0	29.38	81.0	.0359	.8042	19.14.8	C	4 12 „
1	21.758	19.55	78·7	29.45	79.9	.0326	·8050	19.15.6	R	5 12 „
2	22.237	19.62	78.7	29.58	79.4	.0337	.8064	19.15·9	R	6 12 „
3	22.374	19.58	78.3	29.58	79.0	.0331	.8064	19.16.0	R	7 12 „
4	22.512	19.47	78.0	29.61	78.9	·0314	·8067	19.16.5	R	8 12 „
5	21.963	19.21	77.9	29.77	78.4	.0271	.8085	19.17.7	L	9 12 „
6	22.581	19·35	77·7	29.77	78.4	.0293	.8085	19.17.4	L	10 12 „
7	22.512	19.42	77.5	29·79	78.1	.0305	.8087	19.17.3	L	11 12 „
8	22.649	19.45	77.4	29.82	78.0	.0310	.8090	19.17.4	L	Midnight.
9	22.444	19.56	77·5	29.80	78.3	·0328	.8088	19.17.0	C	1 12 a. m.
10	22.032	19.41	77.2	29.99	78.0	.0304	.8099	19.17.8	C	2 12 „
11	22.444	19.68	76.9	30.13	77.5	.0347	.8124	19.18.1	C	3 12 „
12	22.444	19.54	76.1	30.30	76.8	.0325	.8143	19.19.2	C	4 12 „
13	22.854	19.72	76·0	30.43	76.0	.0354	.8157	19.19.5	R	5 12 „
14	22.374	19·73	75.7	30.31	76·0	.0356	.8144	19.18.8	R	6 12 „
15	22.101	19.82	74.8	30.54	76·0	.0370	.8169	19.19.6	R	7 12 „
16	22.237	20.00	74.8	30·45	75.1	.0400	.8160	19.18.9	R	8 12 „
17	21.688	20.34	75.5	30.34	75·3	.0456	.8147	19.17.7	L	9 12 „
18	21.826	20·77	76.8	30.40	76.0	.0527	.8154	19.17.8	L	10 12 „
19	21.688	20.95	77.3	30.23	76.3	.0555	.8135	19.15.9	L	11 12 „
20	21.276	20.82	77.6	30.24	76.6	·0534	.8136	19.16.4	L	Noon.
21	22.305	20.57	77.9	30.42	77.2	.0494	.8156	19.17.6	C	1 12 p. m.
22	22.374	20.33	77.9	30.22	77.4	.0454	.8134	19·17.2	C	2 12 „
23	21.688	19.99	77.7	30.13	77.6	.0398	.8124	19.17.5	C	3 12 „

On the 1st, at about 19h. 10m., Dip as obtained by Observation was 19°06′2.

DAILY OBSERVATIONS FROM 2ND TO 5TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 2nd-Noon.	21'826	19.79	76°9	30.07	77°3	8.0366	2.8118	19°17'7	H	4 12 p. m.
1	22.237	19.67	75.7	30.32	76.8	.0346	.8145	19.19.0	R	5 12 „
2	22.101	19.68	75.0	30.42	75.8	.0347	.8156	19.19.4	R	6 12 „
3	22.854	19.68	74.5	30.47	75.1	.0347	.8162	19.19.5	R	7 12 „
4	22.649	19.61	74.1	30.59	74.7	.0336	.8175	19.20.3	R	8 12 „
5	22.581	19.47	73.8	30.54	74.0	.0314	.8169	19.20.4	L	9 12 „
6	22.854	19.37	72.9	30.78	°73.6	.0297	.8196	19.21.6	L	10 12 „
7	22.581	19.29	72.0	30.95	73.0	.0284	.8215	19.22.7	L	11 12 „
8	22.512	19.30	71.8	31.15	72.7	·0285	.8237	19.23.4	L	Midnight.
9	22.991	19.43	71.2	31.17	72.3	.0307	.8239	19.23.2	H	1 12 a. m.
10	22.444	19.39	70.7	31.30	72.0	.0300	.8253	19.23.9	H	2 12 „
11	22.305	19.28	70.1	31.68	71.4	.0282	.8295	19.25.8	H	3 12 „
12	23.130	19.39	69.8	31.69	71.0	.0300	.8296	19.25.5	H	4 12 „
13	22.854	19.25	69.1	31.91	70.0	.0277	.8320	19.26.8	R	5 12 „
14	22.237	19.44	68.8	31.95	69.5	.0309	.8325	19.26.6	R	6 12 „
15	21.963	19.57	68.4	32.07	69.1	.0330	.8338	19.26.8	R	7 12 „
16	23.060	19.86	69.3	32.49	69.7	.0377	.8380	19.27.8	R	8 12 „
17	23.404	20.27	71.0	32.20	70.0	.0445	.8352	19.25.9	L	9 12 „
18	23.060	20.75	72.6	31.77	70.3	.0523	.8305	19.23.0	L	10 12 „
19	23.198	20.88	74.4	31.40	72.8	.0544	.8264	19.21.1	L	11 12 „
20	23.473	20.80	75.9	31.06	73.7	.0531	.8227	19.19.9	L	Noon.
21	24.363	20.75	77.4	31.06	75.4	.0523	.8227	19.20.0	H	1 12 p. m.
22	23.473	20.60	78.4	31.03	76.7	.0498	.8223	19.20.1	H	2 12 „
23	22.854	20.49	79.0	30.92	77.2	.0481	.8211	19.19.9	H	3 12 „
Dec. 4th-Noon.	22.237	20.57	80.3	30.55	79.9	.0494	.8171	19.18.1	H	4 12 „
1	21.895	20·16	79.2	30.63	79.1	.0426	.8179	19.19.2	H	5 12 „
2	21.826	20.03	78.4	30.46	78.7	.0405	.8161	19.18.8	H	6 12 „
3	22.444	19.89	78.0	31.25	78.2	.0382	.8248	19.22.7	H	7 12 „
4	22.718	19.79	77.7	31.14	78.0	.0366	.8235	19.22.3	H	8 12 „
5	22.649	19.62	77.0	31.14	77.2	.0337	.8235	19.22.7	R	9 12 „
6	22.649	19.58	76.2	31.21	76.7	.0331	.8243	19.23.1	R	10 12 „
7	23.060	19.64	75.7	31.00	76.2	.0341	.8220	19.22.1	R	11 12 „
8	22.718	19.85	75.3	31.03	76.0	.0375	.8223	19.21.7	R	Midnight.
9	22.512	19.80	75.1	31.11	75.6	.0367	.8232	19.22.1	L	1 12 a. m.
10	22.854	19.79	74.9	31.14	75.4	.0366	.8235	19.22.3	L	2 12 „
11	22.444	19.83	74.9	31.11	75.2	.0372	.8232	19.22.1	L	3 12 „
12	22.374	19.87	74.5	31.25	75.0	.0379	.8248	19.22.7	L	4 12 „
13	22.374	19.96	74.5	31.30	75.1	.0393	.8253	19.22.7	H	5 12 „
14	21.826	19.88	74.2	31.31	74.9	.0380	.8254	19.22.9	H	6 12 „
15	21.071	19.83	74.2	31.35	74.4	.0372	.8259	19.23.2	H	7 12 „
16	21.415	20.04	75.0	31.49	74.6	.0407	.8274	19.23.2	H	8 12 „
17	22.444	20.41	76.7	31.56	75.3	.0468	.8282	19.22.7	R	9 12 „
18	23.609	20.67	78.3	31.39	76.4	.0510	.8263	19.21.5	R	10 12 „
19	23.609	20.86	79.9	31.16	77.9	.0541	.8238	19.20.2	R	11 12 „
20	23.884	20.82	81.1	30.99	79.0	.0534	.8219	19.19.5	R	Noon.
21	23.090	20.56	81.9	30.83	79.4	.0492	.8201	19.19.3	L	1 12 p. m.
22	23.884	20.59	82.5	30.73	80.2	.0497	.8190	19.18 8	L	2 12 „
23	23.198	20.36	82.5	30.65	80.9	.0459	.8182	19.18.9	L	3 12 „
Dec. 5th-Noon.	22'512	20.07	82°0	30.60	81°2	.0412	.8176	19°19'4	L	4 12 „
1	23.473	19.48	80.9	30.83	81.0	.0315	.8198	19.21.4	H	5 12 „
2	22.237	18.84	80.2	30.87	80.4	·0210	.8206	19.23.2	H	6 12 „
3	23.130	18.80	79.1	30.97	79.5	.0203	.8217	19.23.8	H	7 12 „
4	23.130	18.89	78.5	30.99	79.0	.0218	.8219	19.23.5	H	8 12 „
5	23.060	19·27	77.9	31·01	78.3	.0281	.8221	19·22·9	R	9 12 „
6	23.130	19.18	77.1	31.05	77.7	.0265	.8226	19·23.2	R	10 12 „
7	23.816	19.11	76.9	31.12	77.3	.0254	.8233	19.23·7	R	11 12 „
8	24.363	19·04	76.3	31.21	77.0	.0243	.8243	19.24.3	R	Midnight.
9	23.335	19.15	75.8	31.22	76.6	.0260	.8244	19.24.0	L	1 12 a. m.
10	22.718	19.35	76.0	31.24	76.3	.0293	.8246	19.23.7	L	2 12 „
11	22.305	19.40	76.0	31.27	76.2	.0302	.8250	19.23.8	L	3 12 „

DAILY OBSERVATIONS FROM 5TH TO 7TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 5th—12	21.816	19.36	75.6	31.32	76.0	8.0295	2.8255	19.24.0	L	4 12 a. m.
13	22.168	19.35	75.1	31.41	76.0	.0293	.8264	19.24.3	H	5 12 „
14	21.758	19.49	74.4	32.82	75.2	.0317	.8310	19.26.8	H	6 12 „
15	21.826	19.62	74.9	32.01	75.0	.0337	.8331	19.26.4	H	7 12 „
16	22.991	19 81	75.2	32.15	75.0	.0369	.8347	19.26.7	H	8 12 „
17	23.267	20.12	76.5	32.12	76.0	.0419	.8343	19.25.8	R	9 12 „
18	23.335	20.33	78.5	32.01	76.9	.0454	.8331	19.24.9	R	10 12 „
19	22.991	20.63	80.0	31.71	78.0	.0503	.8298	19.23.0	R	11 12 „
20	22.581	20.41	80.9	31.71	78.8	.0468	.8298	19.23.4	R	Noon.
21	22.718	20.18	81.2	31.56	79.2	.0429	.8282	19.23.2	L	1 12 p. m.
22	22.718	20.05	81.6	31.52	79.9	.0408	.8277	19.23.4	L	2 12 „
23	22.512	19.67	81.6	31.46	80.3	.0346	.8271	19.23.8	L	3 12 „
Dec. 6th-Noon.	22.305	19.54	80.6	31.51	80.3	.0325	.8276	19.24.3	L	4 12 „
1	21.688	19.39	79.7	31.50	80.0	.0300	.8275	19.24.7	H	5 12 „
2	22.374	19.33	78.8	31.84	79.4	.0290	.8312	19.26.2	H	6 12 „
3	23.130	19.26	78.2	31.94	78.7	.0279	.8323	19.26.9	H	7 12 „
4	23.060	19.15	77.9	31.94	78.4	.0260	.8323	19.27.1	H	8 12 „
5	22.444	19.60	77.2	31.78	77.6	.0334	.8306	19.25.6	R	9 12 „
6	23.540	19.01	76.7	32.02	77.0	.0238	.8332	19.27.7	R	10 12 „
7	23.677	18.76	76.0	32.07	76.6	.0197	.8338	19.28.5	R	11 12 „
8	23.473	18.84	75.5	32.10	76.1	.0210	.8341	19.28.5	R	Midnight.
9	22.718	19.45	75.0	32.10	75.8	.0310	.8341	19.27.2	L	1 12 a. m.
10	22.923	19.27	74.5	32.28	75.3	.0281	.8361	19.28.3	L	2 12 „
11	22.512	19.14	74.0	32.27	75.0	.0259	.8360	19.28.5	L	3 12 „
12	21.482	19.36	74.2	32.28	74.7	.0295	.8361	19.28.0	L	4 12 „
13	21.482	19.51	73.9	32.33	74.4	.0320	.8366	19.27.9	H	5 12 „
14	21.345	19.51	73.3	32.35	74.1	.0320	.8369	19.28.0	H	6 12 „
15	20.865	19.70	73.0	32.43	73.8	.0351	.8379	19.28.0	H	7 12 „
16	22.305	20.15	74.1	32.57	74.0	.0426	.8393	19.27.6	H	8 12 „
17	23.198	20.42	75.8	32.83	74.6	.0469	.8421	19.28.2	R	9 12 „
18	23.404	20.91	77.5	32.28	75.4	.0549	.8361	19.24.7	R	10 12 „
19	24.159	20.80	78.9	32.05	76.7	.0531	.8336	19.24.1	R	11 12 „
20	23.816	20.54	79.8	32.11	77.6	.0489	.8342	19.24.8	R	Noon.
21	23.639	20.34	80.4	31.87	78.2	.0456	.8316	19.24.2	L	1 12 p. m.
22	23.335	20.20	81.0	31.65	79.1	.0433	.8292	19.23.6	L	2 12 „
23	22.649	20.09	81.1	31.57	79.6	.0415	.8283	19.23.4	L	3 12 „
Dec. 7th-Noon.	22.581	19.77	80.4	31.60	79.9	.0363	.8286	19.24.3	L	4 12 „
1	21.895	19.61	79.5	31.75	79.8	.0336	.8313	19.25.7	H	5 12 „
2	22.374	19.40	78.4	31.87	79.0	.0302	.8316	19.26.3	H	6 12 „
3	23.130	19.17	77.9	32.07	78.3	.0264	.8338	19.27.7	H	7 12 „
4	23.609	18.98	77.4	32.14	78.0	.0232	.8345	19.28.4	H	8 12 „
5	23.267	18.83	76.8	32.02	77.3	.0208	.8332	19.28.1	R	9 12 „
6	22.237	18.33	76.0	32.10	76.7	.0143	.8341	19.29.4	R	10 12 „
7	23.953	18.77	75.7	32.27	76.3	.0199	.8360	19.29.3	R	11 12 „
8	23.335	18.90	75.7	32.00	76.0	.0219	.8330	19.27.9	R	Midnight.
9	22.718	18.75	75.5	32.30	75.9	.0195	.8363	19.29.4	L	1 12 a. m.
10	23.267	18.66	75.0	32.31	75.4	.0180	.8364	19.29.7	L	2 12 „
11	23.609	19.08	73.8	32.21	74.8	.0249	.8353	19.28.4	L	3 12 „
12	23.060	18.90	74.0	32.30	74.6	.0219	.8363	19.29.1	L	4 12 „
13	22.512	18.98	73.3	32.33	74.3	.0232	.8366	19.29.1	H	5 12 „
14	21.619	19.14	73.4	32.34	74.0	.0259	.8367	19.28.8	H	6 12 „
15	20.110	19.14	73.0	32.41	73.8	.0259	.8375	19.29.1	H	7 12 „
16	21.482	19.59	74.4	32.52	74.0	.0333	.8387	19.28.7	H	8 12 „
17	22.444	20.11	75.8	32.66	74.7	.0418	.8403	19.28.1	R	9 12 „
18	24.090	20.30	77.3	32.55	75.5	.0449	.8391	19.27.2	R	10 12 „
19	23.746	20.42	79.0	32.11	76.7	.0469	.8342	19.25.1	R	11 12 „
20	23.816	20.00	80.3	32.04	78.0	.0400	.8334	19.25.7	R	Noon.
21	23.609	20.11	81.3	31.82	78.9	.0418	.8310	19.24.5	L	1 12 p. m.
22	23.060	19.59	81.9	31.71	79.5	.0333	.8298	19.25.2	L	2 12 „
23	23.816	18.84	81.9	31.75	80.0	.0210	.8303	19.27.0	L	3 12 „

On the 5th, at about 19h. 40m., Dip as obtained by Observation was 19°06'9.

DAILY OBSERVATIONS FROM 8TH TO 11TH DECEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
DEC. 8TH-Noon.	23'816	18.35	81°3	31.79	80°3	8.0129	2.8307	19°28'2	L	4 12 p. m.
1	23.060	18.44	80.1	31.70	80.1	.0145	.8297	19.27.5	H	5 12 „
2	23.060	18.30	79.4	33.79	79.7	.0121	.8527	19.36.9	H	6 12 „
3	23.677	18.22	79.0	33.99	79.0	.0108	.8549	19.37.9	H	7 12 „
4	24.649	18.20	78.3	34.11	78.9	.0105	.8562	19.36.3	H	8 12 „
5	23.884	18.18	78.1	34.05	78.4	.0100	.8556	19.38.4	R	9 12 „
6	24.363	18.34	77.2	33.79	78.0	.0120	.8527	19.36.8	R	10 12 „
7	23.816	18.90	77.8	33.94	77.9	.0219	.8543	19.36.2	R	11 12 „
8	24.159	18.66	77.3	33.97	77.5	.0180	.8547	19.37.0	R	Midnight.
9	23.540	18.72	77.0	34.14	77.2	.0190	.8565	19.37.4	L	1 12 a. m.
10	23.198	18.67	76.5	34.16	78.9	.0182	.8568	19 37.7	L	2 12 „
11	22.718	18.64	76.1	34.28	76·6	.0177	.8581	19.38.2	L	3 12 „
12	22.374	18.75	76.0	34.31	76.4	.0195	.8584	19.38.0	L	4 12 „
13	22.374	18.81	75.9	34.29	76.3	.0205	.8582	19.37.8	H	5 12 „
14	21.826	18.93	75.5	34.35	76·2	.0224	.8589	19.37.9	H	6 12 „
15	20.933	19.18	75.9	34.15	76.0	.0265	.8567	19.36.5	H	7 12 „
16	21.619	19.54	76.4	34.32	75.9	.0325	.8585	19.36.4	H	8 12 „
17	22.374	19.99	77.8	34.24	76.7	.0398	.8576	19.35.1	R	9 12 „
18	22.923	20.47	79.2	34.02	77·4	.0478	.8552	19.33.2	R	10 12 „
19	23.473	20.69	80.8	33.66	78.8	.0513	.8513	19.31.3	R	11 12 „
20	23.404	20.72	82.0	33.57	80.0	.0518	.8503	19.30.7	R	Noon.
21	23.677	20.67	83.5	33.48	81.0	.0510	.8493	19.30.5	L	1 12 p. m.
22	23.884	20.25	84.0	33.50	81.6	.0441	.8495	19.31.5	L	2 12 „
23	23.816	20.00	83.7	33.51	81.9	.0400	.8496	19.32.0	L	3 12 „
DEC. 9TH-Noon.	23.953	18.60	83.3	33.51	82.2	.0170	.8496	19.35.0	L	4 12 „
1	23.746	18.47	82.1	33.51	82.1	.0150	.8496	19.35.2	H	5 12 „
2	22.991	18.61	81.1	33.56	81·5	.0172	.8502	19.35.2	H	6 12 „
3	23.198	18.20	80.5	33.69	80.9	.0105	.8516	19.36.6	H	7 12 „
4	24.021	18.29	79.9	33.72	80.5	.0120	.8519	19.36.5	H	8 12 „
5	23.746	18.25	79.0	33.79	79.6	.0113	.8527	19.37.1	R	9 12 „
6	23.540	18.55	78.3	33.86	79.0	.0162	.8535	19.36.7	R	10 12 „
7	23.746	18.72	77.9	33.95	78.7	.0190	.8545	19.36.7	R	11 12 „
8	23.609	18.96	77.6	33.94	78·2	.0229	.8543	19.36.1	R	Midnight.
9	23.404	19.05	77.2	33.96	78.0	.0244	.8546	19.36.1	L	1 12 a. m.
10	22.923	18.90	77.0	33.99	77.6	.0219	.8549	19.36.4	L	2 12 „
11	22.787	19.19	77.0	34.06	77.4	.0267	.8556	19.36.1	L	3 12 „
12	22.374	19.11	76.9	34.00	77.3	.0254	.8550	19.36.1	L	4 12 „
13	22.374	19.17	76.0	34.03	77.0	.0264	.8553	19.36.1	H	5 12 „
14	22.237	19.43	76.9	34.12	77.2	.0307	.8563	19.35.8	H	6 12 „
15	21.963	19.30	76.6	34.19	77.0	.0285	.8571	19.36.3	H	7 12 „
16	22.101	20.06	77.0	34.45	77.0	.0410	.8600	19.36.0	H	8 12 „
17	23.473	19.96	78.0	34.42	77.3	.0393	.8596	19.36.0	R	9 12 „
18	23.816	20.41	79.2	34.24	78.0	.0468	.8576	19.35.2	R	10 12 „
19	23.746	20.70	80.0	33.97	79·0	.0515	.8547	19.32.5	R	11 12 „
20	24.432	20.66	80.6	33 89	79.5	.0508	.8538	19.32.3	R	Noon.
21	24.090	20.49	81.0	33.71	79.6	.0481	.8518	19.31.9	L	1 12 p. m.
22	23.677	20.28	81.6	33.69	80.2	.0446	.8516	19.32.1	L	2 12 „
23	23.677	19.78	81.0	33.83	80.3	.0364	.8531	19.33.9	L	3 12 „
DEC. 11TH-Noon.	22.168	18.76	81.5	33.75	81·1	.0197	.8523	19.35.7	H	4 12 „
1	22.649	18.06	80.6	33.81	80.2	.0082	.8529	19.37.5	H	5 12 „
2	21.895	17.97	79.7	33.81	79.5	.0067	.8529	19.37.6	H	6 12 „
3	23.267	17.95	79.2	34.27	79·0	.0065	.8580	19.39.6	H	7 12 „
4	23.060	17.75	78.6	34.14	78.4	.0031	.8565	19.39.5	H	8 12 „
5	23.267	17.73	78.2	34.23	78.3	.0028	.8578	19.40.0	R	9 12 „
6	23.540	18.37	77.9	34.26	78.0	.0133	.8579	19.38.7	R	10 12 „
7	23.884	18.31	77.7	34.14	78.0	.0123	.8565	19.38.3	R	11 12 „
8	24.639	18.06	77·5	34.13	77.7	.0082	.8564	19.38.8	R	Midnight.
9	24.226	18.42	77.3	34.13	77.5	.0141	.8564	19.38.0	L	1 12 a. m.
10	24.570	18.73	77·6	34.14	77.3	.0192	.8565	19.38.4	L	2 12 „
11	24.021	18.71	77·0	34.18	77.2	.0189	.8561	19.37.2	L	3 12 „

On the 8th, at about 19h. 10m., Dip as obtained by Observation was 19°08'1.
On the 9th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 11TH TO 13TH DECEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
DEC. 11TH—12	23·267	18.60	76·8	33.97	77·1	8.0170	2.8543	19°36'9	L	4 12 a. m.
13	22.923	18.72	76.2	33.98	77.0	.0190	.8548	19.36.8	H	5 12 „
14	22.168	18.77	76.2	33.99	76.8	.0199	.8549	19.36.7	H	6 12 „
15	20.659	19.10	76.4	34.00	76.6	.0252	.8550	19.36.1	H	7 12 „
16	21.345	19.41	77.0	34.21	77.0	.0304	.8573	19.36.3	H	8 12 „
17	22.718	19.56	78.3	34.38	77.3	.0328	.8592	19.36.6	R	9 12 „
18	23.473	19.98	79.6	34.14	78.1	.0396	.8565	19.34.7	R	10 12 „
19	23.677	20.11	80.7	33.97	79.0	.0418	.8541	19.33.7	R	11 12 „
20	24.159	19.91	81.1	33.98	79.9	.0385	.8547	19.34.2	R	Noon.
21	24.776	19.83	81.7	33.76	80.2	.0372	.8524	19.33.5	L	1 12 p. m.
22	24.502	19.69	82.0	33.50	80.7	.0349	.8495	19.32.6	L	2 12 „
23	23.060	19.49	82.0	33.38	81.0	.0314	.8482	19.32.6	L	3 12 „
DEC. 12TH—Noon.	22.444	19.38	81.4	33.53	81.1	.0298	.8498	19.33.4	L	4 12 „
1	22.444	19.27	80.2	33.54	81.0	.0281	.8499	19.33.7	H	5 12 „
2	22.305	19.21	79.7	33.68	80.1	.0271	.8515	19.34.5	H	6 12 „
3	22.854	19.02	79.0	33.89	79.8	.0239	.8538	19.35.8	H	7 12 „
4	22.718	18.97	78.7	33.92	79.1	.0231	.8541	19.36.0	H	8 12 „
5	22.991	18.90	78.2	33.87	79.0	.0219	.8536	19.35.9	R	9 12 „
6	23.060	18.87	77.9	33.86	78.5	.0215	.8535	19.35.9	R	10 12 „
7	22.649	18.96	77.7	33.93	78.3	.0229	.8542	19.36.0	R	11 12 „
8	22.787	19.02	77.9	33.95	78.2	.0239	.8545	19.36.1	R	Midnight.
9	22.718	19.00	77.7	33.87	78.2	.0236	.8536	19.35.7	L	1 12 a. m.
10	22.168	19.04	77.7	33.89	78.1	.0243	.8538	19.35.8	L	2 12 „
11	22.101	18.97	77.4	33.93	77.8	.0231	.8542	19.36.0	L	3 12 „
12	22.374	18.91	76.6	33.85	77.6	.0221	.8534	19.35.8	L	4 12 „
13	22.444	19.00	76.0	33.91	77.3	.0236	.8540	19.35.9	H	5 12 „
14	21.895	19.25	76.0	33.90	77.0	.0277	.8539	19.35.3	H	6 12 „
15	20.933	19.29	76.4	33.91	77.0	.0284	.8540	19.35.4	H	7 12 „
16	22.581	19.71	77.4	34.02	77.4	.0353	.8552	19.34.8	H	8 12 „
17	23.130	20.14	78·9	33.98	78.0	.0425	.8547	19.33.8	R	9 12 „
18	23.473	20.43	80.2	33.77	79.0	.0471	.8525	19.32.3	R	10 12 „
19	23.816	20.60	81.7	33.70	80.0	.0498	.8517	19.31.6	R	11 12 „
20	24.159	20.78	82.0	33.61	80.4	.0528	.8507	19.30.8	R	Noon.
21	24·846	19.93	82.6	33.55	81.0	.0388	.8501	19.32.3	L	1 12 p. m.
22	24·502	18.78	83.0	33.10	81.7	.0200	.8451	19.32.9	L	2 12 „
23	26.286	18.06	82.6	33.35	81.8	.0082	.8479	19.35.5	L	3 12 „
DEC. 13TH—Noon.	26.423	17.79	82.2	33·46	81.9	.0038	.8491	19.36.5	L	4 12 „
1	24.502	16.17	81.2	33.38	82.0	7.9772	.8482	19.39.6	H	5 12 „
2	23.953	14.94	80.2	33.34	81.2	.9570	.8477	19.42.1	H	6 12 „
3	26.149	14.32	79.5	33.56	80.5	.9468	.8502	19.44.3	H	7 12 „
4	25.051	15.69	79.1	33.60	80.0	.9710	.8506	19.41.5	H	8 12 „
5	24.226	16.05	78.9	33.74	79.7	.9752	.8521	19.41.4	R	9 12 „
6	25.189	16.44	78.6	33.43	79.4	.9817	.8487	19.39.2	R	10 12 „
7	28.962	15.58	78.4	34.32	79.1	.9691	.8475	19.40.4	R	11 12 „
8	28.207	16.62	78.0	33.71	78.7	.9845	.8518	19.40.0	R	Midnight.
9	26.012	15.91	77.5	33.19	78.3	.9729	.8461	19.39.3	L	1 12 a. m.
10	25·189	16.34	77.3	33.25	78.0	.9800	.8468	19.38.7	L	2 12 „
11	23.884	16.66	76.7	33.15	77.6	.9852	.8457	19.37.7	L	3 12 „
12	23.473	16.71	75.5	33.31	77.0	.9861	.8474	19.38.1	L	4 12 „
13	22.444	16.84	74.9	33.90	76.7	.9882	.8539	19.40.5	H	5 12 „
14	22.787	17.16	74.4	33.56	76.3	.9934	.8502	19.38.3	H	6 12 „
15	20.865	17.52	74.3	33.38	75.7	.9992	.8482	19.36.7	H	7 12 „
16	21.415	18.18	75.1	33.78	76.0	8.0101	.8526	19.37.2	H	8 12 „
17	22.444	18.41	77.0	33.89	76.3	.0140	.8538	19.37.0	R	9 12 „
18	22·581	19.03	78.8	33.72	77.3	.0241	.8519	19.35.0	R	10 12 „
19	23.746	19.09	80.0	33.76	78.4	.0251	.8524	19.35.0	R	11 12 „
20	24.295	19.03	80.5	33·77	79.0	.0241	.8525	19.35.3	R	Noon.
21	24.570	18.90	81.6	33.50	79.9	.0219	.8495	19.34.3	L	1 12 p. m.
22	24 707	18.62	82.0	33.17	80.5	.0173	.8459	19.33.6	L	2 12 „
23	23.953	18.45	82.0	33.08	80.9	.0143	.8449	19.33.4	L	3 12 „

On the 12th, at about 21h. 10m. Dip as obtained by Observation was 19°10'9.

DAILY OBSERVATIONS FROM 14TH TO 16TH DECEMBER 1859.

DATE. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1859.
h.										h. m.
DEC. 14TH-Noon.	23·609	18.23	81°2	33.23	81°0	8.0110	2.8465	19°34'6	L	4 12 p. m.
1	23·609	18.02	80.0	33.40	80.5	.0095	.8484	19.35.7	H	5 12 ,,
2	23.540	17.81	79.2	33.40	80.0	.0041	.8484	19.36.2	H	6 12 ,,
3	23.816	17.92	79.0	33.43	79·5	.0058	.8487	19.36.1	H	7 12 ,,
4	23·335	17·95	78·6	33·43	79.0	.0063	.8487	19.36·1	H	8 12 ,,
5	22.923	17.91	78·1	33.47	78.9	.0057	.8492	19.36.2	R	9 12 ,,
6	23.493	17.87	77·9	33.26	78·5	.0051	.8469	19.35.4	R	10 12 ,,
7	23·267	17.93	77.2	33.44	78.0	.0060	.8488	19.36.1	R	11 12 ,,
8	22.787	18.08	76.9	33.53	77.5	.0085	.8498	19·36.1	R	Midnight.
9	23.335	18.28	76.5	33.62	77.2	.0117	.8508	19.36.1	R	1 12 a. m.
10	23·335	18.16	76.0	33.62	76.8	.0098	.8508	19.36.4	L	2 12 ,,
11	22.649	18·19	75.9	33.68	76.6	.0103	.8515	19.36·7	L	3 12 ,,
12	21.688	18.10	75·5	33.69	76·2	.0088	.8516	19.36.8	L	4 12 ,,
13	21.071	18·25	75.0	33.64	75·1	.0113	.8510	19.36.4	H	5 12 ,,
14	20.728	18·18	74·6	33.85	75.6	.0101	.8534	19.37.4	H	6 12 ,,
15	20.659	18.36	74.2	33·91	75·0	.0131	.8540	19.37.3	H	7 12 ,,
16	22·101	18.42	75.4	33.97	75·6	.0141	.8547	19.37.5	H	8 12 ,,
17	24.707	18.31	76·1	34·20	76·0	.0123	.8572	19.38.5	R	9 12 ,,
18	25.257	18.66	77.2	33.95	76·5	.0180	.8545	19.36.9	R	10 12 ,,
19	25.639	18.78	78.3	33.75	77.4	.0200	.8523	19.35.7	R	11 12 ,,
20	25.051	18.79	79.4	33·35	78·3	.0202	.8479	19.33.9	R	Noon.
21	24.159	19.05	80.6	33.12	79·0	.0244	.8453	19.32.5	L	1 12 p. m.
22	23.816	18.88	81.1	33·04	79.7	.0213	.8444	19.32.5	L	2 12 ,,
23	23.335	18.59	81.3	32.98	80.1	.0169	.8438	19.32.8	L	3 12 ,,
DEC. 15TH-Noon.	22.787	18.64	81.0	33.02	80.6	.0177	.8442	19.32.8	L	4 12 ,,
1	23.540	18.49	79.9	33.13	80.3	.0153	.8454	19.33.6	H	5 12 ,,
2	22.854	18.14	79·0	33.12	79.6	.0095	.8453	19.34·3	H	6 12 ,,
3	22·444	18.14	78.6	33.22	79.4	.0095	.8464	19.34.6	H	7 12 ,,
4	23.609	18.14	78.0	33·33	79.0	.0095	.8476	19.35.1	H	8 12 ,,
5	23.953	17·93	77.4	33·36	78.5	.0060	.8480	19.35.8	R	9 12 ,,
6	23.746	18.22	76.7	33.43	77.8	.0108	.8487	19.35.5	R	10 12 ,,
7	23.335	18.50	76.0	33·57	77·4	.0154	.8503	19.35·5	R	11 12 ,,
8	24·021	18.43	75·2	33.35	76.7	.0143	.8479	19.34.7	R	Midnight.
9	23.746	18.52	74.8	33·54	76·4	.0157	.8499	19.35.2	L	1 12 a. m.
10	23·884	18.45	74·3	33.53	75·9	.0146	.8498	19.35.3	L	2 12 ,,
11	23·404	18.52	74.3	33·52	75.6	.0157	.8497	19.35.2	L	3 12 ,,
12	22.718	18.69	74·9	33.59	75.6	.0185	.8505	19.35.1	L	4 12 ,,
13	22.718	18.68	73.9	33.51	75.2	.0183	.8496	19·35.0	H	5 12 ,,
14	22.16	18.90	73.9	33.57	75.0	.0219	.8503	19.34.6	H	6 12 ,,
15	21·345	19.18	74.2	33.65	74·6	.0265	.8512	19.34.3	H	7 12 ,,
16	22·237	19.32	75.1	34·15	75.0	.0288	.8507	19.36.2	H	8 12 ,,
17	23·677	19.64	76.4	34.11	75.5	.0341	.8562	19.35.3	R	9 12 ,,
18	25·189	20.09	77.7	33·74	76·3	.0415	.8521	19.32.7	R	10 12 ,,
19	24·570	20·19	79.1	33·28	77.4	·0431	.8471	19·30.6	R	11 12 ,,
20	24·021	20.20	80.0	33·16	78·8	.0433	.8458	19.30.2	R	Noon.
21	23.609	20.31	81.8	33.04	79.6	.0451	.8444	19.29.3	L	1 12 p. m.
22	23.335	20.32	82.5	33.00	80.7	.0452	.8440	19.29.2	L	2 12 ,,
23	23.335	20.13	82.9	32.95	81.1	.0429	.8435	19.29.3	L	3 12 ,,
DEC. 16TH-Noon.	23.404	19.54	83°6	33·12	81·4	.0325	.8453	19.31.3	L	4 12 ,,
1	23.884	19.55	81.4	33.14	81.4	.0326	.8455	19.31.4	H	5 12 ,,
2	23.130	19.37	80.1	33.18	80·9	.0297	.8460	19.31.9	H	6 12 ,,
3	23.130	19.58	79.6	33.30	80.0	.0331	.8473	19.32.0	H	7 12 ,,
4	23.473	18.81	78.8	33·22	79.6	.0205	.8464	19.33.2	H	8 12 ,,
5	23.609	18.56	78·1	33·38	79.2	.0164	.8482	19.34.5	R	9 12 ,,
6	23·746	18·27	77.6	33.30	78.6	.0117	.8473	19.34.7	R	10 12 ,,
7	23·677	18.70	77·0	33·50	78.3	.0187	.8495	19.34.7	R	11 12 ,,
8	23.267	18.97	77.0	33.23	77.7	.0231	.8465	19.33.0	R	Midnight.
9	23.540	18.89	76.3	33.52	77.3	.0218	·8486	19.33.9	L	1 12 a. m.
10	22.718	18.93	75.8	33.46	77.0	·0224	.8480	19.33.7	L	2 12 ,,
11	22·649	18.86	75.2	33.51	76.3	.0213	.8485	19.34.1	L	3 12 ,,

DAILY OBSERVATIONS, FROM 16TH TO 19TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 16th—12	21·826	19.25	75·9	33.59	76·4	8.0277	2.8494	19°33′5	L	4 12 a. m.
13	22.444	19.01	75.9	33.59	76·4	.0244	·8494	19·34.0	H	5 12 ,,
14	21·208	19.16	75.9	33.59	76.5	.0262	·8494	19.33.7	H	6 12 ,,
15	20.728	19.14	75.8	33·58	76.0	.0259	·8493	19.33.7	H	7 12 ,,
16	20.728	19.56	76.6	33.80	76.3	.0328	·8528	19.34.3	H	8 12 ,,
17	21.826	19.99	77.7	34.05	76.6	.0398	.8556	19.34.4	R	9 12 ,,
18	22.444	20.19	78.7	34.03	77.0	·0431	·8553	19.33.9	R	10 12 ,,
19	23.404	20.38	80.3	33.97	78.2	.0462	.8547	19.33.3	R	11 12 ,,
20	24.021	20.42	81.9	33.66	79.3	.0469	.8513	19.31.8	R	Noon.
21	24.502	20.20	82.4	33.41	80.4	.0433	.8485	19.31.2	L	1 12 p. m.
22	24.021	20.04	83.0	33.13	81.1	·0407	.8454	19.30.3	L	2 12 ,,
23	22.581	19.81	83.1	32·85	81·5	.0369	·8425	19.29.7	L	3 12 ,,
Dec. 18th-Noon.	21.551	19.73	82.3	32.97	82.2	.0356	.8437	19.30.3	H	4 12 ,,
1	22.101	19.54	81.1	33.17	81.7	.0325	.8459	19·31.5	H	5 12 ,,
2	22.237	19.54	80.0	33.15	81·0	.0325	·8457	19.31.5	H	6 12 ,,
3	22.718	19.48	79.2	33.39	80.2	·0315	.8483	19·32·5	H	7 12 ,,
4	22.923	19.33	78.8	33.38	79.8	·0290	·8482	19.32·8	R	8 12 ,,
5	22.787	19.25	78.6	33.36	79.6	.0277	.8480	19.33·0	R	9 12 ,,
6	22.787	19.13	77.8	33.37	79.0	·0257	.8481	19·33.2	R	10 12 ,,
7	23.130	19.36	77.5	33.51	78.7	.0295	·8496	19·33·3	R	11 12 ,,
8	23.130	19.39	77.1	33.60	78.4	·0300	.8506	19.33.7	R	Midnight.
9	22.787	19.42	76.9	33.59	77.9	·0305	.8505	19.33·6	L	1 12 a. m.
10	22.718	19·41	76.6	33.58	77.7	.0304	.8504	19.33.6	L	2 12 ,,
11	23.060	19.36	75·9	33.62	77.0	.0291	.8508	19.33·8	L	3 12 ,,
12	22.787	19.47	75.7	33.66	76.8	·0314	.8513	19·33.9	L	4 12 ,,
13	22.581	19.55	75.3	33.75	76.5	·0326	·8523	19·34.0	H	5 12 ,,
14	22.237	19.42	74.7	33.59	76.2	·0305	.8505	19.33.6	H	6 12 ,,
15	21.345	19.91	74.8	33.57	75.6	·0385	.8503	19.32.4	H	7 12 ,,
16	21·139	20.22	76.2	33.78	76·0	.0436	·8526	19·32.7	H	8 12 ,,
17	21.551	20.37	77.0	33.76	76.9	·0461	.8524	19.32.3	R	9 12 ,,
18	21.551	20.65	79.0	33.59	77.7	·0506	.8505	19.31.0	R	10 12 ,,
19	21.895	20.57	80.0	33.46	78.5	·0494	·8491	19.30·6	R	11 12 ,,
20	22.237	20.55	81.2	33.28	79.3	.0490	.8471	19·29·8	R	Noon.
21	22.581	20.52	82.0	33.23	79.2	.0485	.8465	19·29.6	L	1 12 p. m.
22	22.305	20.25	81.6	33.13	79·6	.0441	·8454	19·29.9	L	2 12 ,,
23	21.208	19.98	81.3	33.03	80.2	.0396	.8443	19·30·0	L	3 12 ,,
Dec. 19th-Noon.	21.688	19.91	80.9	33.29	80.3	.0385	.8472	19.31.1	L	4 12 ,,
1	22.512	19.80	79.6	33.38	80.0	.0367	·8482	19.31·8	H	5 12 ,,
2	22.718	19.62	78.7	33.55	79.3	.0337	·8501	19·33·0	H	6 12 ,,
3	23.395	19.49	78.0	33.57	78.9	·0317	·8503	19.33.2	H	7 12 ,,
4	23.060	19.47	78.0	33.60	78.5	·0314	.8506	19.33·6	H	8 12 ,,
5	23.130	19.42	77.3	33.47	78.4	·0305	.8492	19.33.0	R	9 12 ,,
6	22.237	19.27	76.3	33.65	77.7	.0281	·8509	19·34.1	R	10 12 ,,
7	23.335	19.33	76.0	33.78	77.3	.0290	·8526	19·34.6	R	11 12 ,,
8	22.991	19.31	75.8	33.81	76.9	·0287	.8529	19.34·7	R	Midnight.
9	23.746	19.29	75.1	33.78	76.0	·0271	·8526	19.34.9	L	1 12 a. m.
10	23.677	19.19	74.4	33.77	75.7	·0269	·8525	19.34.9	L	2 12 ,,
11	23.060	19.31	73.9	33.80	75.1	.0287	·8528	19.34.7	L	3 12 ,,
12	22.441	19.55	73.3	33.86	74.7	·0328	.8535	19.34·5	L	4 12 ,,
13	22.124	19.45	72.8	33.88	74.2	.0277	·8537	19·35·3	H	5 12 ,,
14	22.237	19.31	72.3	33.59	73.8	.0287	.8505	19·33·8	H	6 12 ,,
15	21.551	19.47	72.5	34.07	74.0	·0314	.8558	19·35.7	H	7 12 ,,
16	22.101	19.71	73.4	34.32	74.0	.0353	·8584	19.36.0	H	8 12 ,,
17	23.335	20.07	75.0	34·39	74.5	·0412	·8593	19.35·7	R	9 12 ,,
18	24.021	20.15	76.9	34.26	75.3	.0424	·8579	19·34.9	R	10 12 ,,
19	24.570	20.04	78.0	33.95	76·2	.0407	.8545	19·33.9	R	11 12 ,,
20	23.746	20.14	79.4	33.61	77.1	·0423	.8507	19.32.2	R	Noon.
21	23.746	20.05	80.1	33.41	77.8	.0408	.9485	19.31.4	L	1 12 p. m.
22	23·198	19.93	80.8	33.16	78.7	.0388	·8458	19·30.7	L	2 12 ,,
23	21.688	19·97	81.0	32.97	79.1	·0395	.8437	19·29.8	L	3 12 ,,

On the 19th, at about 19h., Dip as obtained by Observation was 18°58′1.

DAILY OBSERVATIONS FROM 20TH TO 22ND DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 20th-Noon.	21·826	19.68	80°1	33·36	79°2	8.0347	2.8480	19°32′0	L	4 12 p. m.
1	21.963	19.69	79.0	33.48	79.2	.0349	.8493	19.32.5	H	5 12 ,,
2	22.101	19.05	78.0	33.58	78.1	.0244	.8504	19.34.4	H	6 12 ,,
3	22.718	18.94	77.7	33.80	77.9	.0226	.8528	19.35.5	H	7 12 ,,
4	23.060	18·79	77.4	33.83	77.5	.0200	.8531	19.36.0	H	8 12 ,,
5	23.609	18.91	76.7	33.87	77.0	.0221	.8536	19.35.9	R	9 12 ,,
6	23.540	19.03	76.0	33.98	76.6	.0241	.8548	19.36.2	R	10 12 ,,
7	23.746	18.79	75.7	33.74	76.4	.0202	.8521	19.35.6	R	11 12 ,,
8	24.226	18.61	75.0	33·88	76.0	.0172	.8537	19.36.7	R	Midnight.
9	24.159	18.87	74·5	33.81	75.2	.0215	.8529	19.35.6	L	1 12 a. m.
10	23.267	19.31	74.7	33.90	75.1	.0287	.8539	19.35.1	L	2 12 ,,
11	23.677	19.19	74.7	33.91	75.0	.0267	.8540	19.35.5	L	3 12 ,,
12	23.404	19.12	74.3	33.88	74.8	.0255	.8537	19.35.5	L	4 12 ,,
13	22.101	19.35	74.0	33.82	74.5	.0293	.8530	19.34·8	H	5 12 ,,
14	21.826	19.50	73.9	33.95	74.2	.0318	.8545	19.35.0	H	6 12 ,,
15	21.826	19.48	73.5	34.02	74.0	.0315	.8552	19.35.2	H	7 12 ,,
16	23.198	19.98	73.9	34.22	74.0	.0395	.8574	19.35.0	H	8 12 ,,
17	23.130	20.09	75.0	34.24	74.5	.0415	.8576	19.34.8	R	9 12 ,,
18	23.540	20.41	76.8	34.06	75.4	.0468	.8557	19.33.6	R	10 12 ,,
19	23.404	20.58	78.6	33.94	76.3	.0495	.8543	19.32.6	R	11 12 ,,
20	23.060	20.35	79.4	33.81	77.0	.0457	.8529	19.32·5	R	Noon.
21	23.473	20.15	80.0	33.75	77.6	.0424	.8523	19.32.8	L	1 12 p. m.
22	23.677	20.01	80.6	33.55	78.4	.0402	.8501	19.32.2	L	2 12 ,,
23	22.649	20.07	81.0	33.32	78.9	.0407	.8475	19.31.1	L	3 12 ,,
Dec. 21st-Noon.	22.305	19.95	80.5	33.40	79.3	.0391	.8484	19.31.6	L	4 12 ,,
1	22.444	19.80	79.6	33.55	79.5	.0367	.8501	19.32.6	H	5 12 ,,
2	22.649	19.70	79·0	33.63	79.0	.0351	.8509	19.33.1	H	6 12 ,,
3	23.335	19.47	78.1	33.85	78.4	.0314	.8534	19.34.7	H	7 12 ,,
4	23.130	19.39	77.7	33.86	78.0	.0300	.8535	19.34.9	H	8 12 ,,
5	23.198	19.04	77.3	33.73	77.7	.0243	.8520	19.35.1	R	9 12 ,,
6	23.198	19.05	76.6	33.84	77·4	.0244	.8532	19.35.5	R	10·12 ,,
7	23.473	19.05	76.0	33.81	76.9	.0244	·8529	19.35.4	R	11 12 ,,
8	24.090	18.84	75.9	34.00	76.5	.0210	.8550	19.36.7	R	Midnight.
9	23.404	18.99	75.8	33.96	76.1	.0218	.8546	19.36.3	L	1 12 a. m
10	23.130	19.05	75.5	33.98	76.0	.0244	.8548	19.36.2	L	2 12 ,,
11	22.444	19.20	75.3	34.08	76.0	.0269	.8559	19.36.2	H	3 12 ,,
12	21.758	19.30	75.0	34.07	75.5	.0285	.8558	19.35.9	H	4 12 ,,
13	21.551	19.37	74.3	34.10	75.0	.0297	.8561	19.35.8	R	5 12 ,,
14	21.139	19.53	74.5	34.15	75.0	.0323	.8567	19.35.8	R	6 12 ,,
15	21.071	19.49	74.5	34.19	74.8	.0317	.8571	19.35.9	L	7 12 ,,
16	21.895	19.86	75.5	34.21	74·9	.0377	.8573	19.35.3	L	8 12 ,,
17	22.444	20.35	76.9	34.37	75.6	.0441	.8591	19.35.2	H	9 12 ,,
18	23.473	20.35	78.2	34.38	76.1	.0457	.8592	19.34.9	H	10 12 ,,
19	24.159	20.31	79.5	34.29	77.3	.0451	.8582	19.34.6	R	11 12 ,,
20	23.884	20.12	80.8	34.17	78.4	.0419	.8559	19.34.5	R	Noon.
21	24.226	20.38	82.5	34.03	79.4	.0462	.8553	19.33.5	L	1 12 p. m.
22	24.090	20.11	83.0	33.74	80.1	.0418	.8521	19.32.7	L	2 12 ,,
23	22.718	20.09	83.2	33.52	81.0	.0415	.8497	19.31.8	H	3 12 ,,
Dec. 22nd-Noon.	22.101	19.93	82.6	33.48	81.0	.0388	.8493	19.32.0	H	4 12 ,,
1	22.237	20.03	81.2	33.53	80.9	.0405	.8498	19.32.0	R	5 12 ,,
2	22.581	19.55	80.0	33.76	80.0	.0326	.8514	19.33.6	R	6 12 ,,
3	22.923	19.30	79.0	33.82	79.0	.0285	.8530	19.34.8	L	7 12 ,,
4	22.991	18.76	78.7	33.91	78.7	.0195	.8540	19.36.4	L	8 12 ,,
5	23.677	18.68	78.4	33.92	78.7	.0183	.8541	19.36.7	H	9 12 ,,
6	23.677	18.68	77·2	33.97	78.2	.0183	.8547	19.37.0	H	10 12 ,,
7	23.130	19.06	86.9	34.03	77.6	.0246	8553	19.36.2	R	11 12 ,,
8	23.267	19.18	77.0	34.12	77.5	.0265	.8563	19.36.3	R	Midnight.
9	23.267	19.18	76.8	34.26	77.1	.0265	.8579	19.36.9	L	1 12 a. m.
10	22.854	19.24	76.0	34.25	76.8	.0276	.8578	19.36.8	L	2 12 ,,
11	22.168	19.34	76.0	34.30	76.5	.0292	.8583	19.36.0	L	3 12 ,,

DAILY OBSERVATIONS FROM 22ND TO 26TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 22nd—12	21·619	19.49	76·0	34.27	76·3	8·0317	2.8580	19°36'3	L	4 12 a. m.
13	21·758	19.51	75.9	34.29	76.2	.0320	.8582	19.36.3	H	5 12 „
14	21.071	19.85	75.9	34.28	76.0	·0375	·8581	19.35.6	H	6 12 „
15	20.728	19.67	75.4	34.31	75.6	.0346	.8584	19.36.0	H	7 12 „
16	22.168	20.40	76.4	34.38	76·0	.0466	.8592	19.34.8	H	8 12 „
17	22·718	20.81	77.5	34.30	76·5	.0533	.8583	19.33·7	R	9 12 „
18	24.363	20.83	79.0	34.30	77.6	.0536	.8583	19.33.6	R	10 12 „
19	25.394	20·70	80.4	34.18	78.5	.0515	.8570	19.33.3	R	11 12 „
20	24.295	20.80	81.6	33.67	79·7	.0531	.8514	19.31.0	R	Noon.
21	23.677	20.48	81.6	33.73	79.8	.0479	.8520	19.32.0	L	1 12 p. m.
22	22.444	20.08	81.7	33.55	80.1	.0413	.8500	19.32.1	L	2 12 „
23	22.237	19.73	81.8	33.56	80.6	.0356	.8502	19.32.7	L	3 12 „
Dec. 23rd—Noon.	21.482	19.78	81·0	33.56	80.4	.0364	.8505	19.32.9	L	4 12 „
1	21.895	19.85	80.1	33.91	80.4	.0375	.8540	19.35.1	H	5 12 „
2	22.581	19.51	79.5	34.06	80.0	.0320	.8557	19.35.5	H	6 12 „
3	23.267	19.59	79.3	34.06	79.8	.0333	.8557	19.35.4	H	7 12 „
4	23.953	18·75	79.0	34.09	79.5	.0195	.8560	19.37.1	H	8 12 „
5	23·677	18.75	78.3	33.97	79.0	.0195	.8547	19.36.7	R	9 12 „
6	23.198	19·21	78.0	34.07	78.9	.0271	·8558	19.36.2	R	10 12 „
7	24.090	19.43	78.5	34.21	78.7	.0307	.8573	19.36.2	R	11 12 „
8	23·884	19.37	78.0	34.20	78.5	.0297	.8572	19.36.2	R	Midnight.
9	23.473	19.29	77.7	34.15	78.2	.0284	.8567	19.36.4	L	1 12 a. m.
10	22.649	19.56	77.9	34.09	78.1	.0328	.8560	19.35.4	L	2 12 „
11	21.619	19.48	77.7	33.96	78.0	.0315	.8546	19.35.0	L	3 12 „
12	21.276	19.45	77·2	33.93	77.7	.0310	.8542	19.35·0	L	4 12 „
13	20.933	19·31	77.0	33.98	77.6	.0287	.8548	19.35.5	H	5 12 „
14	20.865	19.48	76.6	34.12	77.4	.0315	.8563	19.35.6	H	6 12 „
15	20.933	19.60	76.9	35.22	77.2	.0336	.8684	19.40.1	H	7 12 „
16	21·963	19.76	77.3	35.88	77.5	.0361	.8757	19.42.8	H	8 12 „
17	23·198	20.12	77.7	35.83	77·6	.0419	.8751	19.41.7	R	9 12 „
18	23.884	20.56	78.4	35.86	78.0	.0492	.8755	19.41.0	R	10 12 „
19	24.432	20.72	79·7	35.72	79.0	.0518	.8739	19.39.9	R	11 12 „
20	24.502	20.53	80·1	35.65	79·6	.0487	·8732	19.40.0	R	Noon.
21	24.502	20.38	81.5	35.45	80.0	.0462	.8721	19.40.0	L	1 12 p. m.
92	24.363	20.22	81.9	35.26	80.5	.0436	.8689	19.39.0	L	2 12 „
23	23.404	19.94	82·2	35.15	81·0	·0390	.8677	19.39.2	L	3 12 „
Dec. 26th—Noon.	22.854	20.40	82.1	38.25	81.2	.0466	·9018	19·51.5	H	4 12 „
1	22.101	20.00	81.0	38.16	81.2	.0400	.9007	19.52.0	H	5 12 „
2	22.305	19.73	79.6	38.42	80.4	.0356	.9036	19.53.6	H	6 12 „
3	22.581	19.67	79.0	38.48	79.8	.0346	.9043	19.54.0	H	7 12 „
4	22.512	19.67	78.6	38.48	79.4	.0346	.9043	19.54.0	H	8 12 „
5	22.444	19.26	78.3	38.64	78.9	.0279	.9060	19·55.6	R	9 12 „
6	22.991	19.43	78.3	38.72	78.5	.0307	.9069	19.55.5	R	10 12 „
7	23.198	19.46	77.8	38.85	78.3	.0312	.9084	19.56.1	R	11 12 „
8	23.677	19·48	77.0	38.77	77.8	·0315	.9075	19.55.6	R	Midnight.
9	23.746	19.51	76.4	38.86	77.0	.0320	.9085	19.56.0	B	1 12 a. m.
10	23.473	19.60	76.2	38.88	76.6	.0334	.9087	19·56.0	B	2 12 „
11	23.473	19.63	76.0	38.90	76.6	.0339	.9080	19.55.6	B	3 12 „
12	22.718	19·66	75.9	38.80	76.5	.0344	.9078	19.55.6	B	4 12 „
13	22.168	19.67	75.8	38.81	76.4	.0346	.9079	19.55.3	H	5 12 „
14	22.168	19.70	75.5	38·88	76.0	.0351	.9087	19.55.7	H	6 12 „
15	22.101	19.49	75.2	38.98	75.9	.0317	.9089	19.56.1	H	7 12 „
16	22.444	19.77	75·4	39.07	75.6	.0363	.9109	19.56.4	H	8 12 „
17	22.444	20.07	76.3	39.06	76.0	.0412	.9107	19.56.8	R	9 12 „
18	22.444	20.62	78.2	38.90	77.0	.0501	.9080	19.53.5	R	10 12 „
19	22.512	20·98	79.9	38.50	78.2	.0560	.9045	19·51.4	R	11 12 „
20	22.032	20.97	81.6	38.29	79.7	.0559	.9022	19.50.4	R	Noon.
21	22.718	20.85	83·0	38.25	81.1	.0539	.9018	19·50·6	B	1 12 p. m.
22	23.540	20.75	84.6	38.21	82.1	.0523	.9013	19.50.6	B	2 12 „
23	22.991	20.39	84.2	38.17	82.3	.0464	.9009	19.51.2	B	3 12 „

On the 22nd, at about 19h. 20m., Dip as obtained by Observation was 19°08'8.
On the 26th, at about 19h. 4m., Dip as obtained by Observation was 19°3'1.

DAILY OBSERVATIONS FROM 27TH TO 29TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 27th-Noon.	22·512	20.17	83·4	38.32	82·4	8.0428	2.9025	19°52′3	B	4 12 p. m.
1	22.581	19.93	81.7	38.47	82.2	.0388	.9042	19.53.4	H	5 12 „
2	22.168	19.70	80.0	38.48	81.0	.0351	.9043	19.54.0	H	6 12 „
3	22.854	19.54	79.2	38·50	80.0	·0325	.9045	19.54.4	H	7 12 „
4	22.923	19.60	79.0	38.79	79.7	·0334	.9077	19.55.6	H	8 12 „
5	22.718	19.55	78.0	38.50	79.0	.0326	.9045	19·54.4	R	9 12 „
6	22.581	19.29	77.4	38.25	78.5	.0284	.9018	19.54.0	R	10 12 „
7	22 649	19.40	76.9	38.34	78.0	·0302	.9027	19.54.1	R	11 12 „
8	23.060	19.47	76.7	38·25	77.6	.0314	.9018	19.53.6	R	Midnight.
9	22.923	19.45	76.2	38.53	77.1	.0310	·9048	19.54.8	B	1 12 a. m.
10	23.060	19.44	75.9	38.50	76.6	.0309	.9045	19.54.7	B	2 12 „
11	22.854	19.63	75.3	38.51	76.4	.0339	.9046	19.54.3	B	3 12 „
12	23.473	19.62	75.1	38.58	76.1	.0337	.9054	19.54.6	B	4 12 „
13	23.473	19.55	75.0	38.58	76.1	.0326	.9054	19.54.7	H	5 12 „
14	22.649	19.40	75.0	38.58	76.0	.0302	.9054	19.55.1	H	6 12 „
15	21.551	19.65	74.7	38.47	75.5	.0342	.9042	19.54.1	H	7 12 „
16	21.758	19.97	75.5	38.67	75.6	.0395	.9064	19.54.1	H	8 12 „
17	22.101	20.41	76.7	38.62	76.0	.0468	.9058	19.53.1	R	9 12 „
18	22.032	20.84	78.2	38.25	77.0	.0538	.9018	19.50.6	R	10 12 „
19	21·208	21.02	80.0	37·97	78.0	.0567	.8978	19·48.6	R	11 12 „
20	20.590	21.02	81.4	37.99	79.6	.0567	.8980	19.48.7	R	Noon.
21	21.415	20.82	82·7	38.32	80.1	·0536	.9025	19.50.9	L	1 12 p. m.
22	22.168	20.87	83.0	38.38	80.9	.0461	.9032	19·52.1	L	2 12 „
23	22.512	20.12	82.9	38.22	81.2	.0419	.9014	19.51·9	L	3 12 „
Dec. 28th-Noon.	22.444	19.83	82.0	38.06	81.2	.0372	.8997	19.52.0	L	4 12 „
1	22.168	19.73	80.7	38.13	81·0	.0356	.9004	19.52.3	H	5 12 „
2	22.444	19.47	79.2	38.20	80·0	.0314	.9012	19.53.3	H	6 12 „
3	23.335	19.35	79.0	38.38	79.4	.0293	·9032	19.54.3	H	7 12 „
4	22.854	19.91	78.6	38.37	79.0	·0385	.9031	19.53.0	H	8 12 „
5	22.991	19·33	77.7	38.46	78.5	.0290	.9041	19.54.7	R	9 12 „
6	23·060	19.33	77.0	38.42	77.9	.0290	.9036	19.54.5	R	10 12 „
7	23.404	19.33	76.7	38.53	77.5	.0290	·9048	19·55.0	R	11 12 „
8	23.335	19.32	76.6	38.57	77.3	.0288	.9053	19.55.2	R	Midnight.
9	23.473	19.38	76.3	38.63	76.9	.0298	.9059	19.55.3	B	1 12 a. m.
10	23.198	19.40	76.1	38.62	76.6	.0302	.9058	19·55.3	B	2 12 „
11	23.884	19.31	75.2	38.64	76.2	.0287	·9060	19.55.4	B	3 12 „
12	23·335	19.46	75.6	38.66	76.1	.0312	.9063	19.55.4	B	4 12 „
13	23.060	19.53	75.7	38.75	76·1	.0323	.9073	19.55.5	H	5 12 „
14	22.444	19.44	75.2	38.67	75.6	.0309	.9064	19·55.3	H	6 12 „
15	21.758	19.29	74.0	38.75	75.0	.0284	.9073	19.56.1	H	7 12 „
16	22.168	19.65	75.1	38.81	75.4	.0342	.9079	19.55.5	H	8 12 „
17	25.120	20.01	77.0	38.78	76.0	.0402	.9076	19.54.6	R	9 12 „
18	22.512	20.43	78·4	38.35	76.9	.0471	.9029	19.51.9	R	10 12 „
19	21.482	20.63	79.4	38.17	78.0	.0503	.9008	19·50.7	R	11 12 „
20	21.415	20.75	81.0	38·22	79.3	.0523	.9014	19.50.6	R	Noon.
21	21.963	20.49	81.9	38.17	79·6	.0481	.9009	19.51·0	L	1 12 p. m.
22	22.787	20.34	82.0	38.17	80.2	.0456	.9009	19.51.2	L	2 12 „
23	23.060	20.24	82.1	38.12	80.7	.0440	.9008	19.51.3	L	3 12 „
Dec. 29th-Noon.	22.923	20.08	81.6	38.13	80.9	.0413	.9004	19.51.7	L	4 12 „
1	22.512	19.88	80.4	38.08	80·6	.0380	·8999	19.52.9	H	5 12 „
2	22.649	19.76	79.4	38.34	80·0	.0361	.9027	19.53.3	H	6 12 „
3	22.787	19.70	79.0	38.34	79.6	.0351	.9027	19.53.4	H	7 12 „
4	22.787	19.63	78.4	38.32	79.1	.0339	.9025	19.53.5	H	8 12 „
5	23.060	19.59	77.9	38.40	78·5	·0333	.9034	19 53.9	R	9 12 „
6	22.649	19.61	77 4	38.40	78.3	.0336	.9034	19.53.8	R	10 12 „
7	22.854	19.54	76.5	38.43	77.5	.0325	.9037	19.54.1	R	11 12 „
8	22.581	19.58	76.0	38.43	77.0	.0331	.9037	19.54.1	R	Midnight.
9	22.305	19.74	76.1	38.45	76·6	.0358	.9040	19 53.8	B	1 12 a. m.
10	22.787	19.62	75.5	38.51	76·3	.0339	·9046	19.54.3	B	2 12 „
11	22.512	19.52	75·0	38.52	75.9	.0321	.9047	19.54.6	B	3 12 „

DAILY OBSERVATIONS FROM 29TH TO 30TH DECEMBER 1859.

Date. Göttingen Mean Time. 1859.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1859.
h.										h. m.
Dec. 29th—12	22'168	19.86	75°1	38.53	75°7	8.0377	2.9048	19°53'8	B	4 12 a.m.
13	22.444	19.64	74.4	38.52	75.2	.0341	.9047	19.54.4	H	5 12 „
14	22.444	19.73	73·5	38.58	74.6	.0356	.9054	19.54.3	H	6 12 „
15	22.581	19.75	73.3	38.83	74.4	.0359	.9081	19.55.3	H	7 12 „
16	23.404	19.92	74.0	39.03	74.3	.0386	.9103	19.55.8	H	8 12 „
17	23.267	20.27	75.0	38.74	74·6	.0445	.9071	19.53.7	R	9 12 „
18	21.688	20.64	76.6	38·27	75.5	.0505	.9020	19·51.1	R	10 12 „
19	20.933	20.90	78.6	38.10	76.7	.0547	.9001	19.49.7	R	11 12 „
20	20.590	20.98	80.0	38.21	77.9	.0560	.9013	19.50.1	R	Noon.
21	21.415	20.74	80.4	38.20	78.4	.0522	.9012	19.50·5	L	1 12 p.m.
22	21.826	20.58	80.7	38.13	79·0	.0495	.9004	19.50.5	L	2 12 „
23	22.512	20.45	80.9	38.12	79.4	.0473	.9003	19.50.5	L	3 12 „
Dec. 30th-Noon.	23.198	20.17	80.4	38.11	79.6	.0428	·9002	19.51.3	L	4 12 „
1	22.787	19.88	79.2	38.06	79.4	.0388	.8997	19.51.9	H	5 12 „
2	22·444	19·64	78.0	38.17	79.0	.0341	.9009	19.52.8	H	6 12 „
3	22.444	19.30	77.8	38.30	78.5	.0285	·9023	19.54.0	H	7 12 „
4	22.923	19.16	77.0	38.38	77.8	.0262	.9032	19.54·7	H	8 12 „
5	22.991	19.43	76.8	38.49	77.4	.0307	.9044	19.54.6	R	9 12 „
6	23.404	19.48	76.2	38.48	76.9	.0315	.9043	19.54.4	R	10 12 „
7	23.267	19.29	75.3	38.28	76.4	.0284	.9021	19.54.1	R	11 12 „
8	23.130	19.45	74.9	38.32	76.0	.0310	.9025	19.54.9	R	Midnight.
9	23.198	19.36	74.5	38.50	75.3	.0295	.9045	19.54.8	B	1 12 a.m.
10	23.540	19.19	74·4	38.55	75.0	.0267	·9051	19.55.4	B	2 12 „
11	23.884	19.46	73.5	38.57	74.5	.0312	.9053	19.55.0	B	3 12 „
12	23.198	19.89	73.3	38.50	74.3	.0300	.9045	19.54·8	B	4 12 „
13	23·267	19.33	73·1	38.57	74.0	.0290	.9053	19.55.2	H	5 12 „
14	22.787	19.24	72.8	38.56	73.3	.0276	.9052	19.55.3	H	6 12 „
15	22.649	19.23	72.4	38·80	73.4	.0274	.9078	19.56.4	H	7 12 „
16	23.335	19.25	73.5	38.91	73.5	.0277	.9081	19.56.4	H	8 12 „
17	24.090	19.70	75.0	38·96	74.0	.0351	.9087	19.55.7	R	9 12 „
18	23.677	19.96	76.0	38.64	74·6	.0393	.9060	19.54.1	R	10 12 „
19	22.923	20·25	77.0	38.27	75.6	.0439	.9020	19.52.0	R	11 12 „
20	22.812	20.37	78.1	38·17	76.4	.0460	.9007	19.51.2	R	Noon.
21	22.787	20.23	79.2	38.06	77.0	.0438	.8997	19·51.1	L	1 12 p.m.
22	22.101	20.04	79.9	37.99	77·9	.0407	.8980	19.50.8	L	2 12 „
23	22·374	19.91	80.1	38.08	78.5	·0385	.8999	19.51.7	L	3 12 „

On the 29th, at about 19h. 30m., Dip as obtained by Observation was 19°0'0.
On the 30th, at about 19h. 30m., Deflection Observations were taken.

OBSERVATIONS OF INCLINATION,

1859.

NOTE.—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATION, 1859.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		POLES DIRECT. Face of Needle. Reversed.		POLES REVERSED. Face of Needle. Direct.		POLES REVERSED. Face of Needle. Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
JAN. 4	17°57'5	17°37'5	18°07'5	17°55'0	19°40'0	19°40'0	19°02'5	19°42'5	18°42'8	
11	17.22.5	17.37.5	17.55.0	17.57.5	19.00.0	19.07.5	19.27.5	20.10.0	18 34.7	
14	18.15.0	18.05.0	17.50.0	18.00.0	20.27.5	19.52.5	19.27.5	19.40.0	18.57.2	18°54'2
21	17.37.5	18.20.0	18.00.0	18.40.0	20.30.0	19.40.0	20 00.0	20.32.5	19.10.0	
25	17.35.0	18.15.0	17.40.0	17.57.5	20.20.0	20.00.0	19.45.0	19.17.5	18.51.2	
28	18.10.0	18.30.0	18.15.0	18.07.5	20.20.0	19.37.5	19.25.0	20.02.5	19.03.4	
FEB. 1	18.10.0	18.02.5	18.05.0	18.12.5	20.27.5	19.42.5	19.22.5	19 55.0	18 59.7	
4	18.15.0	18.32.5	18.10.0	18.17.5	20.40.0	19.42.5	19.45.0	20.25.0	19.13.4	
8	17.50.0	17.47.5	18.20.0	18.00.0	20.05.0	20.00.0	19.47.5	20.07.5	18.51.4	
11	18.05.0	17.55.0	18.07.5	18.07.5	20.20.0	19.40.0	19.00.0	20.35.0	19.06.2	
15	17.45.0	17.57.5	18.50.0	17.45.0	20.17.5	20.22.5	19.45.0	19.37.5	19.02.5	19.03.9
18	18.10.0	18.07.5	18.17.5	18.07.5	20.12.5	20.02.5	19.45.0	19.25.0	19 00.9	
22	18.25.0	17.55.0	18 00.0	18.12.5	20.37.5	20.00.0	19.45.0	19.55.0	19.06.2	
25	18.10.0	17.42.5	18.05.0	18.17.5	20.30.0	20.07.5	19.45.0	19.45.0	19.02.8	
MAR. 4	17.00.0	17.42.5	17.02.5	17.42.5	19.55.0	21.00.0	20.30.0	21.05.0	18.59.7	
8	17.10.0	17.42.5	17.15.0	17.35.0	19.45.0	20.35.0	20.45.0	21.15.0	19.00.3	
11	17.35.0	17.52.5	17.37.5	17.12.5	20.40.0	20.20.0	20.05.0	19.25.0	18.50.9	
15	17.30.0	17.52.5	18.32.5	18.27.5	20.37.5	20.37.5	19.45.0	19.45.0	19.08.3	
18	17.47.5	18.22.5	17.25.0	18.15.0	21.07.5	20.37.5	19.42.5	19.42.5	19.07.5	19.03.4
22	18.00.0	18.32.5	17.27.5	17.32.5	20.47.5	21.00.0	19.20.0	20 00.0	19.05.0	
25	17.42.5	18.02.5	18.05.0	17.52.5	20.30.0	20.55.0	19.22.5	20.27.5	19.06.5	
29	17.52.5	17.50.0	17.47.5	17.42.5	20.30.0	20.55.0	20.05.0	20.27.5	19.08.8	
APR. 1	17.22.5	18.02.5	17.42.5	17.27.5	20.10.0	20.45.0	20.22.5	20.22.5	19.01.9	
4	17.32.5	18.02.5	17.42.5	18.02.5	20.42.5	20.42.5	20.27.5	20.00.0	19.09.0	
8	17.27.5	18.07.5	17.47.5	17.27.5	20.32.5	20.57.5	20.22.5	20.22.5	19.08.1	

OBSERVATIONS OF INCLINATION, 1859.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 12	17°37'5	18°02'5	17°42'5	17°32'5	20°17'5	20°45'0	20°15'0	20°32'5	19°05'6	
15	17.37.5	18.37.5	17.27.5	17.17.5	20.32.5	20.40.0	20.07.5	20.20.0	19.05.0	
19	17.37.5	18.22.5	17.20.0	17.35.0	20.32.5	20.25.0	20.20.0	20.50.0	19.07.8	
22	17.57.5	18.12.5	17.27.5	17.52.5	20.47.5	20.32.5	20.27.5	20.42.5	19.15.0	19°09'1
26	17.55.5	18.17.5	17.37.5	17.45.0	20.37.0	20.35.0	20.15.0	21.05.0	19.14.7	
29	17.37.5	18.00.0	18.27.5	17.30.0	20.40.0	20.35.0	20.15.0	20.55.0	19.15.0	
MAY 3	17.52.5	18.17.5	17.40.0	17.20.0	20.22.5	20.32.5	20.15.0	20.55.0	19.09.4	
6	17.37.5	17.50.0	17.17.5	17.17.5	20.12.5	20.27.5	19.55.0	20.37.5	18.54.4	
10	18.05.0	18.12.5	17.30.0	17.52.5	20.10.0	20.15.0	20.32.5	20.25.0	19.07.8	
13	17.30.0	18.12.5	17.32.5	17.17.5	20.27.5	20.32.5	20.22.5	20.42.5	19.04.7	
17	17.17.5	18.32.5	17.40.0	17.12.5	20.45.0	20.35.0	20.17.5	20.27.5	19.05.9	19.03.6
20	17.17.5	18.02.5	17.27.5	17.02.5	20.47.5	20.37.5	20.22.5	20.47.5	19.03.1	
27	17.22.5	18.10.0	17.37.5	17.25.0	20.57.5	20.12.5	19.42.5	20.37.5	19.00.6	
31	17.42.5	18.17.5	17.42.5	17.22.5	20.32.5	20.10.0	19.50.0	20.45.0	19.02.8	
JUNE 3	17.42.5	18.12.5	17.42.5	17.47.5	20.22.5	20.17.5	20.17.5	20.55.0	19.10.3	
7	17.42.5	18.12.5	16.57.5	16.55.0	20.22.5	20.15.0	20.30.0	20.12.5	18.53.4	
10	17.17.5	18.17.5	16.57.5	17.12.5	20.27.5	20.42.5	20.52.5	20.27.5	19.01.9	
14	17.27.5	18.17.5	17.22.5	17.27.5	20.47.5	20.42.5	20.12.5	20.37.5	19.06.9	19.04.0
17	17.45.0	18.05.0	17.15.0	17.25.0	20.52.5	20.27.5	20.25.0	20.37.5	19.06.2	
21	17.07.5	18.07.5	17.22.5	16.57.5	20.52.5	20.37.5	20.37.5	20.37.5	19.02.5	
24	17.02.5	18.12.5	17.07.5	16.42.5	20.52.5	20.42.5	20.12.5	20.52.5	18.58.1	
28	17.22.5	18.05.0	17.42.5	17.17.5	20.47.5	20.42.5	20.42.5	21.00.0	19.12.6	
JULY 1	17.42.5	18.12.5	17.37.5	17.00.0	20.50.0	20.27.5	20.57.5	20.47.5	19.11.9	
5	17.17.5	18.22.5	17.17.5	17.22.5	20.37.5	20.47.5	20.27.5	21.12.5	19.10.6	
8	17.25.0	18.22.5	17.15.0	17.27.5	20.37.5	20.35.0	20.17.5	20.30.0	19.03.8	
12	17.32.5	18.22.5	17.37.5	17.12.5	20.42.5	20.17.5	20.07.5	20.37.5	19.03.8	
15	17.22.5	18.02.5	17.22.5	17.17.5	20.42.5	2·112.5	20.12.5	21.02.5	19.08.8	19.08.6
19	17.37.5	18.02.5	17.22.5	17.07.5	20.32.5	20.27.5	20.32.5	21.17.5	19.07.5	
22	17.12.5	18.02.5	17.37.5	17.02.5	20.30.0	20.52.5	20.40.0	21.22.5	19.09.4	
26	17.30.0	18.17.5	17.20.0	17.32.5	21.02.5	20.32.5	20.05.0	20.55.0	19.09.4	
29	17.12.5	18.22.5	17.25.0	17.37.5	20.42.5	20.42.5	21.17.5	20.17.5	19.12.2	
AUG. 2	18.00.5	17.47.5	17.37.5	17.12.5	20.12.5	20.27.5	20.17.5	20.32.5	19.00.9	
5	16.47.5	16.57.5	16.32.5	16.22.5	21.37.5	22.02.5	20.32.5	21.45.0	19.04.7	
9	17.12.5	16.52.5	16.32.5	16.47.5	21.32.5	21.42.5	21.42.5	21.42.5	19.15.6	
12	16.42.5	16.57.5	16.47.5	16.27.5	21.22.5	21.12.5	21.32.5	22.07.5	19.08.8	
17	16.42.5	17.50.0	17.00.0	17.57.5	21.00.0	20.40.0	19.07.5	21.50.0	19.00.9	19.03.4
19	17.40.0	18.12.5	17.00.0	17.40.0	21.02.5	20.30.0	19.12.5	21.57.5	19.09.4	
23	17.22.5	17.02.5	17.22.5	17.02.5	20.57.5	20.02.5	20.12.5	20.52.5	18.51.9	
26	16.42.5	17.17.5	17.22.5	16.42.5	21.12.5	21.07.5	20.02.5	21.22.5	18.58.1	
30	17.07.5	17.32.5	16.42.5	16.32.5	21.12.5	21.32.5	20.57.5	20.27.5	19.00.6	
SEPT. 2	17.15.0	18.00.0	16.57.5	17.00.0	20.32.5	20.37.5	19.37.5	21.27.5	18.55.9	
6	17.07.5	17.42.5	17.40.0	16.57.5	20.42.5	20.42.5	20.32.5	21.20.0	19.05.6	
9	17.37.5	17.40.0	17.17.5	17.15.0	20.47.5	21.02.5	20.52.5	20.47.5	19.10.0	
13	17.15.0	17.22.5	17.32.5	17.12.5	20.37.5	20.47.5	20.45.0	21.17.5	19.05.6	
16	17.22.5	17.42.5	17.02.5	17.32.5	20.47.5	20.37.5	20.47.5	20.37.5	19.03.8	19.05.2
20	17.22.5	17.42.5	17.22.5	17.07.5	20.27.5	20.27.5	20.57.5	20.57.5	19.03.1	
23	17.17.5	17.47.5	17.32.5	17.15.0	20.50.0	20.32.5	20.52.5	20.37.5	19.05.6	
27	18.22.5	18.22.5	19.27.5	19.12.5	19.27.5	19.22.5	19.02.5	20.37.5	19.14.4	
30	18.27.5	18.17.5	19.22.5	19.02.5	19.12.5	19.52.5	19.02.5	19.02.5	19.02.5	
OCT. 4	19.22.5	19.07.5	19.27.5	18.52.5	19.20.0	19.20.0	19.07.5	18.52.5	19.11.2	
11	19.15.0	18.37.5	19.37.5	18.32.5	19.40.0	19.15.0	18.32.5	19.37.5	19.08.4	

OBSERVATIONS OF INCLINATION, 1859.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 14	19°22'5	19°22'5	18°42'5	19°07'5	19°20'0	18°27'5	18°42'5	19°37'5	19°05'3	
18	19.12.5	19.32.5	19.22.5	19.07.5	18.20.0	18.50.0	18.47.5	19.02.5	19.01.9	19°07'5
21	19.27.5	18.42.5	19.47.5	19.32.5	18.40.0	18.45.0	19.00.0	19.27.5	19.10.3	
25	19.17.5	18.32.5	19.42.5	19.37.5	18.52.5	19.07.5	18.52.5	19.02.5	19.08.1	
28	19.27.5	18.42.5	19.40.0	19.02.5	19.07.5	19.07.5	18.37.5	19.12.5	19.07.2	
Nov. 1	19.02.5	19.17.5	19.32.5	19.02.5	19.15.0	19.25.0	18.42.5	18.02.5	19.02.5	
4	18.52.5	19.02.5	19.02.5	18.57.5	19.25.0	19.07.5	19.20.0	18.42.5	19.03.8	
8	19.02.5	19.17.5	19.27.5	19.07.5	18.50.0	18.07.5	18.55.0	18.45.0	18.56.5	
11	18.55.0	18.32.5	19.27.5	18.55.0	19.35.0	19.05.0	19.10.0	19.15.0	19.06.9	
15	19.05.0	19.07.5	19.12.5	19.05.0	19.00.0	18.35.0	18.55.0	19.20.0	19.02.5	19.04.2
18	19.17.5	18.37.5	19.12.5	19.27.5	19.12.5	18.32.5	19.32.5	18.57.5	19.06.2	
22	19.07.5	19.02.5	19.32.5	18.52.5	19.12.5	18.35.0	19.05.0	19.12.5	19.05.0	
25	19.10.0	19.12.5	19.17.5	19.02.5	19.17.5	18.37.5	18.50.0	19.37.5	19.08.1	
29	19.02.5	19.12.5	19.37.5	19.07.5	18.47.5	18.42.5	19.12.5	19.07.5	19.06.2	
Dec. 2	19.17.5	19.47.5	19.27.5	19.17.5	18.27.5	18.32.5	18.52.5	19.07.5	19.06.2	
6	19.17.5	19.12.5	19.37.5	19.17.5	19.17.5	18.37.5	18.42.5	18.52.5	19.06.9	
9	19.17.5	18.47.5	19.57.5	20.02.5	18.35.0	18.40.0	19.02.5	18.42.5	19.08.1	
13	19.32.5	18.32.5	19.27.5	19.22.5	19.27.5	18.37.5	19.07.5	19.27.5	19.11.9	
16	19.12.5	18.27.5	19.42.5	18.42.5	18.57.5	19.17.5	19.27.5	18.52.5	19.05.0	19.05.3
20	19.17.5	18.32.5	19.27.5	18.17.5	18.57.5	19.22.5	18.57.5	18.52.5	18.58.1	
23	18.47.5	18.42.5	19.27.5	19.12.5	19.32.5	19.32.5	19.12.5	18.42.5	19.08.8	
27	19.22.5	18.52.5	19.02.5	19.32.5	19.00.0	19.25.0	19.17.5	17.52.5	19.03.1	
30	18.27.5	18.32.5	19.22.5	18.50.0	19.00.0	18.52.5	19.17.5	18.37.5	19.00.0	

DEFLECTION OBSERVATIONS.

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and Hour of Göttingen Mean Time, 1859.	Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I·11.				Corresponding Readings.				Absolute Value of X.	LM.
			East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
			North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
D. H.	s.	Ft.						°		°	B. un.	
Jan. 7 19	4.075	1.1	46.150	5.430	45.800	5.180	20.23	81·6	30.42	78.0	8.045	0.0832
		1.2	41.450	10.060	41.250	9.870						
14 19	4.078	1.1	46.550	5·830	46.330	5.500	20.18	78.5	30·80	74.0	8.034	0.0833
		1.2	41.800	10.450	41.630	10.200						
21 19	4.069	1.1	45.750	5.140	45.450	4.870	20.19	83.4	30·84	79.0	8.064	0.0833
		1.2	41.115	9.760	40.860	9.550						
28 19	4.037	1.1	45.850	5·150	45.650	4.850	20.28	78.2	31·27	74.7	8.118	0.0840
		1.2	41.180	9.770	40.990	9·640						
Feb. 4 19	4·077	1.1	45.910	5.290	45.750	4.970	19.85	82.9	31.03	77.5	8.036	0.0832
		1.2	41.390	9.900	41.100	9.700						
11 19	4.070	1.1	46.550	5.860	46·310	5.520	20.36	79.4	29.80	75 1	8.050	0.0834
		1.2	41.840	10.440	41.670	10.290						
11 19	4.078	1·1	46.000	5·340	45·750	5.040	20.56	81.9	31·31	77.6	8.039	0.0832
18 19		1.2	41.370	10.000	41.150	9.750						
25 21	4.082	1.1	46.340	5.700	46·100	5.400	19.42	83.4	30.86	79.9	8.030	0.0834
		1.2	41.640	10.320	41.460	10.100						
March 4 19	4.079	1.1	46.050	5.420	45.770	5.100	20.08	80.0	30.93	76.1	8.041	0.0831
		1.2	41.350	10.020	41.170	9.800						
11 19	4.081	1.1	45.230	5.560	45.960	5.270	20.00	81.4	31.63	79.3	8.033	0·0832
		1.2	41.550	10.160	41·370	10.000						
25 18	4.082	1.1	46.100	5.440	45.890	5.150	19.310	85.4	30·88	82.5	8.036	0.0831
		1.2	41.450	10·100	41.150	9.920						
April 1 19	4.080	1.1	46.120	5.500	45.860	5.240	19.36	86.8	30.77	83.9	8.045	0.0832
		1.2	41.460	10.150	41.250	9.990						
8 19	4.082	1.1	46.000	5·300	45.730	5·050	19.10	87.9	30·18	84.7	8.032	0.0831
		1.2	41.320	9.950	41·100	9.750						
15 19	4.081	1.1	45.480	4.900	45·180	4.600	19.53	87.1	30.10	85.0	8.042	0.0831
		1.2	40.840	9.540	40·620	9.300						
29 19	4.086	1.1	45.900	5.180	45.720	4·900	17.57	88.0	27.62	85.3	8.018	0.0832
		1.2	41.200	9.800	41.040	9.640						
May 6 19	4.083	1·1	45.800	5.150	45.520	4.850	19.75	86.8	29.96	84.3	8.035	0.0830
		1.2	41.120	9.750	40.830	9.580						
13 19	4.083	1·1	45.720	5.100	45.460	4.820	19.36	87.2	29.53	85.5	8.037	0.0830
		1.2	41.020	9.720	40.870	9·570						
20 19	4.085	1.1	45.560	5.150	45.360	4.910	18.60	89.0	29.00	86.7	8·049	0.0828
		1.2	40.900	9.700	40·700	9.500						
27 18	4.084	1.1	45.980	5.650	45.750	5.360	19.06	89.2	29.45	86.7	8.070	0.0826
		1.2	41.260	10·100	41·100	9.960						
June 3 19	4·082	1.1	46.150	5.610	45.850	5.350	19.71	89.2	30.41	86.7	8.048	0.0829
		1.2	41·450	10·190	41.200	10.040						
17 18	4.086	1.1	46.450	6·270	46.250	6.070	18.98	86.9	30.66	84.6	8.070	0.0826
		1.2	41.780	10.760	41.580	10.620						
24 19	4.083	1.1	45.970	6.000	45.680	5.800	19.71	87.4	31.65	84.4	8.100	0.0824
		1.2	41.350	10.450	41.100	10.370						

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date and Hour of Göttingen Mean Time, 1859.		Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnetometer I·11.				Corresponding Readings.				Absolute Value of X.	LM.
				East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
				North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.		
D.	H.	s.	Ft.						°		°	E. un.	
July 1	19	4.085	1.1	45.600	5.750	45.330	5.460	19.47	88.4	31.31	85.7	8.102	0.0823
			1.2	40.910	10.200	40.790	9.980						
8	19	4.085	1.1	46.330	6.400	46.080	6.120	18.99	88.6	30.58	85.5	8.095	0.0824
			1.2	41.660	10.850	41.500	10.670						
15	18	4.085	1.1	46.360	6.450	46.150	6.200	19.62	87.2	31.03	84.7	8.094	0.0824
			1.2	41.720	10.860	41.550	10.750						
Aug. 5	18	4.083	1.1	46.550	6.900	46.320	6.640	20.32	83.9	34.74	81.6	8.133	0.0821
			1.2	41.900	11.520	41.730	11.150						
19	20	4.084	1.1	45.870	6.350	45.850	6.040	19.45	85.6	33.01	82.9	8.125	0.0821
			1.2	41.350	10.750	41.150	10.600						
27	19	4.086	1.1	45.400	6.050	45.200	5.750	20.34	82.0	34.20	80.1	8.144	0.0819
			1.2	40.840	10.510	40.800	10.310						
Sept. 2	19	4.086	1.1	45.620	6.550	45.650	6.300	18.54	83.8	31.34	81.1	8.156	0.0817
			1.2	41.120	10.850	41.200	10.750						
9	19	4.086	1.1	45.100	6.650	45.180	6.350	20.230	82.2	33.42	79.3	8.202	0.0813
			1.2	41.080	11.120	41.000	10.860						
16	19	4.090	1.1	46.460	6.320	46.250	6.000	19.02	83.6	31.91	80.3	8.068	0.0824
			1.2	41.700	10.850	41.600	10.630						
23	19	4.085	1.1	46.180	5.600	45.900	5.220	20.50	84.7	33.81	81.9	8.035	0.0830
			1.2	41.450	10.170	41.190	9.950						
30	19	4.086	1.1	46.140	5.620	45.900	5.300	20.82	85.8	34.50	82.4	8.042	0.0829
			1.2	41.400	10.280	41.240	10.040						
Oct. 7	18	4.059	1.1	46.280	5.700	46.020	5.300	19.86	84.3	33.11	81.5	8.087	0.0834
			1.2	41.560	10.320	41.380	10.100						
14	18	4.088	1.1	46.850	6.360	46.660	5.930	19.57	83.4	32.17	80.0	8.029	0.0828
			1.2	42.150	10.900	42.000	10.660						
21	19	4.091	1.1	46.640	6.020	46.400	5.640	18.33	83.7	30.70	80.2	8.017	0.0829
			1.2	41.900	10.680	41.780	10.380						
28	18	4.086	1.1	47.000	6.600	46.820	6.160	20.35	83.4	33.40	78.5	8.043	0.0829
			1.2	42.300	11.200	42.140	10.900						
Nov. 4	18	4.087	1.1	46.460	6.050	46.450	5.660	20.12	84.1	32.88	78.8	8.030	0.0829
			1.2	41.900	10.680	41.740	10.400						
11	18	4.092	1.1	47.100	6.700	46.840	6.060	18.63	87.7	32.18	81.6	8.024	0.0829
			1.2	42.400	11.300	42.200	10.800						
18	18	4.087	1.1	46.500	6.180	46.280	5.800	19.70	86.0	32.61	80.6	8.051	0.0827
			1.2	41.800	10.760	41.660	10.460						
25	18	4.086	1.1	46.800	6.400	46.530	6.050	20.44	85.5	32.84	80.0	8.052	0.0828
			1.2	42.050	11.000	41.900	10.750						
Dec. 2	18	4.083	1.1	47.050	6.530	46.760	6.200	22.01	73.2	32.70	67.7	8.050	0.0829
			1.2	42.350	11.170	42.100	10.960						
9	18	4.090	1.1	47.060	6.560	46.780	6.260	20.65	80.0	32.26	75.6	8.028	0.0828
			1.2	42.620	11.240	42.180	10.960						
16	18	4.088	1.1	46.900	6.470	46.650	6.120	20.390	79.7	31.23	74.6	8.042	0.0828
			1.2	42.200	11.120	42.060	10.830						
23	18	4.087	1.1	47.080	6.800	46.900	6.400	20.830	79.2	31.40	75.4	8.052	0.0827
			1.2	42.420	11.380	42.280	11.100						
30	18	4.088	1.1	46.950	6.500	46.690	6.160	20.78	76.7	31.23	71.2	8.040	0.0828
			1.2	42.250	11.100	42.050	10.820						

BOMBAY GOVERNMENT OBSERVATORY.

TERM-DAY OBSERVATIONS.

1859.

33—1859.

TERM-DAY OBSERVATIONS, ON THE 19TH OF JANUARY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21·071	20·385	20·042	20·042	20·042	20·659	21·071	22·374	21·688	19·699	19·767	21·002
5 0	20.522	20.385	20.385	19.767	20.110	20.522	21.963	22.305	21.688	19.629	19.699	21.139
10 0	20.385	20.316	20.659	19.904	20.042	20.453	21.071	22.168	21.619	19.561	19.973	21.208
15 0	20.522	20.385	20.110	19.836	20.179	20.453	21·415	22.101	21.619	19.424	19.110	21.345
20 0	20.453	20.659	20.042	19.973	20.179	20.865	21.208	22.101	21.002	19.356	19.247	21.482
25 0	20.385	20.728	20.110	19.767	20.110	20.728	21.415	22.032	20.796	19.287	19.385	21.619
30 0	20.552	20.042	19.836	19.699	20.453	20.725	21.688	22.168	20.728	19.287	19.453	21.688
35 0	20.453	20.385	19.904	19.836	20.453	21.071	21.963	22.237	20.659	19.287	19.590	21.758
40 0	20.247	20.453	19.679	19.904	20.453	20.933	21.619	22.168	20.385	19.287	19.728	21.758
45 0	20.247	20.179	19.836	19.973	20.453	21.208	21.758	22.032	20.110	19.356	19.728	21.688
50 0	20.522	20.316	19.904	19.904	20.522	20.733	22.032	22.032	20.042	19.493	19.865	21.758
55 0	20.385	20.274	20.110	19.973	20.453	20.796	22.581	21.826	19.904	19.930	19.933	21·551

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.49	19.85	19.90	20.02	20.15	20.14	20.21	20.31	20.30	20.00	19.90	19.59
7 0	19.50	19.86	19.95	20.00	20.19	20.16	20.20	20.30	20.23	19.98	19.86	19.59
12 0	19.54	19.87	19.92	20.06	20.14	20.17	20.25	20.35	20.23	19.96	19.82	19.55
17 0	19.55	19.86	19.91	20.03	20.17	20.21	20.18	20.38	20.21	19.95	19.79	19.53
22 0	19.61	19.90	19.87	20.06	20.18	20.23	20.30	20.35	20.21	19.94	19.76	19.49
27 0	19.64	19.92	19.90	20.13	20.12	20.24	20.25	20.36	20.21	19.92	19.75	19.46
32 0	19.68	19.82	19.98	20.12	20.10	20.23	20.29	20.35	20.20	19.92	19.75	19.45
37 0	19·72	19.88	19.95	20.11	20.12	20.52	20.31	20.35	20.18	19.92	19.73	19.45
42 0	19.71	19.90	20.00	20.13	20.09	20.18	20.37	20.36	20.18	19.91	19.69	19.42
47 0	19.80	19.95	20.00	20.10	20.15	20.19	20.40	20.33	20.17	19.92	19.65	19.37
52 0	19.76	19.90	19.97	20.14	20.21	20.16	20.36	20.31	20.12	19 88	19.62	19.35
57 0	19.84	19.90	20.01	20.13	20.17	20.18	20.28	20.31	20.08	19.89	19.59	19.31
Therm.	75°0	74°2	74°0	74°0	73°8	73°0	73°6	75°2	77°0	79°0	80°0	80°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	50.68	50.70	50.75	50.86	51.02	50.97	51.03	50.90	50.24	49.82	50.02	50.33
8 0	50.65	50.71	50.80	50.88	51.04	50.96	51.04	50.80	50.18	49.80	50.01	50.34
13 0	50.64	50.75	50.82	50.92	51.07	50.98	51.05	50.70	50.06	49.80	50.02	50.35
18 0	50.70	50.76	50.80	50.90	51.06	51.00	51.02	50.64	50.05	49.80	50.23	50.36
23 0	50.68	50.79	50.82	50.88	51.05	51.03	51.02	50.60	50.00	49.80	50.26	50.35
28 0	50.70	50.80	50.81	50.87	51.03	51.02	51.00	50.52	49.92	49.80	50.28	50.34
33 0	50.75	50.82	50.80	50.88	51.04	51.02	50.98	50.50	49.88	49.82	50.28	50.35
38 0	50.76	50.85	50.80	50.90	51.00	51.10	50.97	50.52	49.86	49.85	50.30	50.35
43 0	50.75	50.84	50.81	50.94	50.96	51.15	50.95	50.53	49.85	49.90	50.33	50.35
48 0	50.72	50.80	50.80	50.95	50.98	51.14	50.92	50.48	49.82	49.94	50.36	50.35
53 0	50.70	50.80	50.80	50.98	50.95	51.15	50.93	50.42	49.82	49.98	50.37	50.32
58 0	50.70	50.70	50.84	51.02	50.98	51.10	51.00	50.32	49.80	50.00	50.33	50.26
Therm.	76°0	75°5	75°0	75°0	74°8	74°0	74°0	74°8	75°8	77°0	78°0	79°0

TERM-DAY OBSERVATIONS, ON THE 19TH OF JANUARY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'551	21'139	20'522	19'973	20'042	20'590	20'590	20'590	20'385	20'796	20'522	20'728
5 0	21.482	20.933	20.385	19.973	20.042	20.522	20.590	20.522	20.453	20.728	20.659	20.590
10 0	21.415	20.796	20.385	19.973	20.179	20.590	20.728	20.522	20.659	20.590	20.796	20.522
15 0	21.482	20.796	20.316	19.904	20.247	20.522	20.796	20.453	20.385	20.728	20.865	20.522
20 0	21.415	20.728	20.316	19.973	20.316	20.590	20.590	20.590	20.590	20.659	20.933	20.463
25 0	21.415	20.728	20.247	19.904	20.247	20.590	20.522	20.590	20.590	20.590	20.865	20.522
30 0	21.276	20.796	20.247	19.904	20.316	20.590	20.522	20.385	20.659	20.659	20.933	20.590
35 0	21.276	20.659	20.179	19.836	20.385	20.590	20.522	20.385	20.796	20.796	20.590	20.659
40 0	21.208	20.728	20.110	19.836	20.385	20.590	20.453	20.316	20.865	20.659	20.453	20.728
45 0	21.139	20.659	20.042	19.904	20.453	20.590	20.453	20.316	20.728	20.453	20.659	20.522
50 0	21.071	20.659	20.042	19.973	20.522	20.590	20.453	20.385	20.865	20.590	20.796	20.453
55 0	21.139	20.590	20.042	19.973	20.590	20.590	20.453	20.385	20.659	20.728	20.659	20.247

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.29	19.20	19.13	19.27	19.31	19.25	19.20	19.31	19.41	19.50	19.50	19.71
7 0	19.29	19.19	19.14	19.28	19.30	19.25	19.21	19.31	19.43	19.49	19.48	19.72
12 0	19.27	19.17	19.15	19.29	19.29	19.23	19.22	19.35	19.39	19.50	19.54	19.75
17 0	19.25	19.16	19.17	19.30	19.27	19.22	19.25	19.34	19.41	19.51	19.54	19.73
22 0	19.24	19.15	19.17	19.30	19.26	19.21	19.26	19.35	19.40	19.52	19.55	19.74
27 0	19.23	19.13	19.20	19.32	19.26	19.22	19.27	19.35	19.39	19.51	19.58	19.75
32 0	19.24	19.08	19.23	19.33	19.26	19.22	19.34	19.35	19.46	19.50	19.59	19.75
37 0	19.23	19.07	19.24	19.31	19.26	19.22	19.34	19.35	19.45	19.50	19.64	19.77
42 0	19.21	19.06	19.25	19.31	19.26	19.22	19.34	19.34	19.46	19.50	19.67	19.78
47 0	19.21	19.09	19.26	19.30	19.24	19.23	19.35	19.37	19.46	19.52	19.66	19.77
52 0	19.22	19.10	19.28	19.31	19.20	19.23	19.35	19.38	19.47	19.52	19.67	19.76
57 0	19.21	19.12	19.27	19.31	19.25	19.21	19.32	19.42	19.48	19.51	19.66	19.81
Therm.	81°3	81°0	80°8	79°8	79°0	78°0	77°8	77°5	77°0	76°9	76°6	76°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	50.24	50.00	50.04	50.06	50.30	50.44	50.45	50.52	50.56	50.60	50.66	50.72
8 0	50.21	49.98	50.02	50.08	50.35	50.41	50.47	50.52	50.58	50.62	50.68	50.71
13 0	50.20	49.99	50.02	50.10	50.35	50.43	50.46	50.52	50.56	50.65	50.69	50.68
18 0	50.18	49.97	50.02	50.12	50.35	50.43	50.48	50.52	50.55	50.65	50.71	50.71
23 0	50.18	49.96	50.02	50.16	50.35	50.43	50.45	50.50	50.55	50.66	50.72	50.73
28 0	50.15	49.98	50.02	50.18	50.35	50.44	50.47	50.50	50.58	50.68	50.73	50.74
33 0	50.10	50.04	50.02	50.18	50.35	50.44	50.48	50.50	50.60	50.65	50.75	50.75
38 0	50.07	50.06	50.00	50.20	50.35	50.44	50.48	50.50	50.62	50.65	50.75	50.75
43 0	50.06	50.05	50.00	50.22	50.37	50.43	50.50	50.51	50.60	50.62	50.75	50.75
48 0	50.07	50.00	50.02	50.25	50.37	50.45	60.50	50.52	50.60	50.64	50.75	50.78
53 0	50.05	50.05	50.05	50.26	50.38	50.45	50.50	50.52	50.60	50.65	50.75	50.76
58 0	50.03	50.05	50.06	50.30	50.40	50.45	50.50	50.52	50.60	50.66	50.73	50.74
Therm.	79°9	80°2	80°1	79°4	78°9	78°1	78°0	77°9	77°5	77°3	77°2	77°0

TERM-DAY OBSERVATIONS, ON THE 25TH OF FEBRUARY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'345	21'139	20'865	20'453	20'042	20'042	20'659	21'071	20'933	21'619	21'895	21'963
5 0	21.415	21.139	20.865	20.385	20.042	20.110	20.659	21.071	21.071	21.688	22.101	21.895
10 0	21.345	21.002	20.865	20.247	19.973	20.110	20.659	21.002	21.071	21.619	22.168	21.826
15 0	21.345	21.002	20.865	20.247	19.973	20.179	20.590	21.071	21.139	21.688	22.237	21.758
20 0	21.208	20.933	20.865	20.179	19.973	20.179	20.590	21.071	21.139	21.758	22.168	21.758
25 0	21.208	20.865	20.865	20.110	20.042	20.247	20.659	21.071	21.208	21.758	22.101	21.758
30 0	21.208	20.865	20.796	20.110	20.042	20.385	20.796	21.208	21.385	21.758	21.963	21.758
35 0	21.208	20.865	20.796	20.110	20.110	20.453	20.865	21.208	21.482	21.758	21.963	21.688
40 0	21.208	20.865	20.659	20.042	20.110	20.453	20.933	21.276	21.619	21.758	22.032	21.688
45 0	21.208	20.865	20.590	20.042	20.110	20.453	20.933	21.276	21.619	21.826	22.168	21.688
50 0	21.208	20.865	20.522	20.042	20.110	20.522	20.933	21.208	21.619	21.895	22.168	21.688
55 0	21.139	20.865	20.453	20.042	20.110	20.590	20.933	20.933	21.619	21.895	22.032	21.758

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.11	19.15	19.26	19.43	19.64	19.74	20.00	20.32	20.47	20.34	20.04	19.54
7 0	19.10	19.15	19.26	19.44	19.64	19.75	20.00	20.32	20.50	20.31	20.00	19.49
12 0	19.12	19.16	19.26	19.45	19.65	19.77	20.05	20.31	20.52	20.27	19.96	19.47
17 0	19.14	19.17	19.26	19.46	19.66	19.78	20.06	20.29	20.53	20.26	19.90	19.45
22 0	19.14	19.18	19.28	19.46	19.70	19.84	20.10	20.29	20.53	20.25	19.85	19.44
27 0	19.14	19.19	19.30	19.50	19.73	19.83	20.16	20.30	20.51	20.22	19.82	19.37
32 0	19.15	19.21	19.31	19.54	19.73	19.84	20.17	20.29	20.49	20.21	19.79	19.35
37 0	19.15	19.21	19.32	19.56	19.71	19.85	20.20	20.28	20.42	20.20	19.78	19.34
42 0	19.14	19.22	19.34	19.56	19.71	19.89	20.23	20.22	20.40	20.21	19.71	19.34
47 0	19.14	19.23	19.35	19.56	19.70	19.93	20.26	20.22	20.36	20.16	19.66	19.34
52 0	19.14	19.22	19.38	19.59	19.72	19.96	20.29	20.30	20.36	20.12	19.61	19.28
57 0	19.15	19.23	19.40	19.61	19.71	19.98	20.30	20.40	20.37	20.07	19.54	19.24
Therm.	78°0	78°2	78°2	78°0	77°9	77°8	78°1	79°0	80°1	81°5	82°6	83°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	52.65	52.65	52.58	52.62	52.60	52.55	52.48	52.36	52.00	52.20	52.18	52.15
8 0	52.60	52.65	52.57	52.60	52.56	52.56	52.48	52.35	52.05	52.20	52.15	52.14
13 0	52.64	52.66	52.62	52.57	52.54	52.56	52.48	52.33	52.05	52.20	52.14	52.12
18 0	52.64	52.66	52.62	52.58	52.55	52.55	52.47	52.32	52.08	52.22	52.14	52.10
23 0	52.68	52.66	52.62	52.58	52.55	52.57	52.46	52.30	52.12	52.22	52.16	52.10
28 0	52.66	52.66	52.62	52.60	52.55	52.56	52.45	52.26	52.12	52.22	52.16	52.09
33 0	52.65	52.65	52.62	52.60	52.56	52.56	52.45	52.25	52.15	52.22	52.15	52.08
38 0	52.68	52.62	52.62	52.60	52.56	52.55	52.45	52.25	52.18	52.22	52.14	52.05
43 0	52.68	52.62	52.62	52.60	52.57	52.54	52.45	52.24	52.20	52.20	52.16	52.05
48 0	52.67	52.62	52.62	52.60	52.58	52.53	52.42	52.22	52.22	52.20	52.17	52.04
53 0	52.66	52.62	52.62	52.60	52.58	52.50	52.40	52.15	52.22	52.20	52.16	52.02
58 0	52.66	52.62	52.62	52.60	52.55	52.45	52.40	52.08	52.20	52.18	52.15	52.05
Therm.	78°5	78°5	78°4	78°4	78°4	78°1	78°2	78°6	79°2	80°4	81°2	82°0

TERM-DAY OBSERVATIONS, ON THE 25TH FEBRUARY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'758	22'444	22'374	20'865	20'796	20'865	22'305	23'816	24'295	23'335	22'168	22'101
5 0	21.826	22.649	22.374	20.522	20.385	21.071	22.305	24.090	24.021	23.267	22.168	22.101
10 0	21.963	22.854	22.374	20.522	20.385	21.208	22.444	24.159	23.677	23.267	22.101	22.168
15 0	21.758	22.718	22.374	20.659	20.316	21.276	22.649	24.432	23.540	23.267	22.101	22.374
20 0	21.688	22.512	21.168	20.933	20.247	21.345	22.787	24.432	23.198	23.198	22.101	22.512
25 0	21.688	22.444	21.758	21.071	20.042	21.345	22.787	24.363	23.473	23.198	22.168	22.649
30 0	21.758	22.787	21.619	20.933	20.247	21.551	22.854	24.226	23.540	23.198	22.237	22.581
35 0	21.963	22.787	21.482	20.865	20.316	21.688	22.854	24.226	23.677	22.787	22.237	22.718
40 0	22.101	22.718	21.276	20.933	20.522	21.758	22.991	24.226	23.816	22.718	22.168	22.787
45 0	22.101	22.718	21.071	20.522	20.659	21.826	23.404	24.226	23.816	22.718	22.168	22.854
50 0	22.101	22.512	21.071	20.522	20.659	22.101	23.609	24.159	23.540	22.444	22.168	22.854
55 0	22.305	22.374	21.071	20.590	20.796	22.374	23.609	24.295	23.473	22.168	22.168	22.923

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.23	18.42	17.70	17.79	17.66	16.76	15.96	14.86	16.12	17.50	17.89	18.03
7 0	19.27	18.49	17.70	17.79	17.64	16.69	15.76	14.90	16.40	17.55	18.00	18.04
12 0	19.45	18.36	17.73	17.77	17.49	16.69	15.73	14.96	16.50	17.50	18.05	18.03
17 0	19.45	18.25	17.74	17.79	17.59	16.68	15.70	15.00	16.62	17.50	18.07	18.01
22 0	19.35	18.14	17.72	17.78	17.33	16.56	15.67	15.10	16.74	17.55	18.07	18.00
27 0	19.24	18.02	17.68	17.80	17.28	16.45	15.55	15.20	16.86	17.58	18.02	17.96
32 0	19.06	17.75	17.65	17.85	17.14	16.26	15.40	15.32	17.04	17.58	18.04	17.95
37 0	18.95	17.66	17.67	17.96	17.09	16.14	15.30	15.50	17.12	17.59	18.03	17.89
42 0	18.80	17.60	17.70	17.90	17.00	16.10	15.17	15.68	17.22	17.62	18.05	17.82
47 0	18.70	17.60	17.72	17.85	16.90	16.08	15.00	15.65	17.25	17.66	18.08	17.80
52 0	18.54	17.60	17.74	17.76	16.87	16.05	14.90	15.73	17.32	17.65	18.08	17.76
57 0	18.45	17.68	17.74	17.71	16.81	16.01	14.88	16.00	17.45	17.75	18.07	17.71
Therm.	83°8	84°1	84°1	83°3	82°3	82°0	81°7	81°2	81°0	80°8	80°7	80°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	52.06	52.00	51.70	51.62	51.96	52.25	52.40	52.60	52.45	52.50	52.45	52.50
8 0	52.04	51.95	51.72	51.65	51.96	52.24	52.42	52.58	52.45	52.50	52.44	52.50
13 0	52.00	51.92	51.72	51.68	51.95	52.30	52.45	52.57	52.35	52.50	52.45	52.52
18 0	51.98	51.90	51.70	51.72	51.98	52.30	52.48	52.55	52.40	52.50	52.45	52.54
23 0	51.96	51.90	51.70	51.77	52.02	52.34	52.48	52.52	52.42	52.50	52.45	52.55
28 0	51.95	51.88	51.72	51.80	52.04	52.36	52.47	52.50	52.45	52.50	52.44	52.54
33 0	51.92	51.92	51.72	51.80	52.09	52.39	52.50	52.48	52.50	52.50	52.44	52.55
38 0	51.98	51.95	51.70	51.80	52.13	52.40	52.50	52.48	52.55	52.45	52.44	52.58
43 0	52.00	51.90	51.68	51.82	52.14	52.41	52.55	52.48	52.55	52.45	52.44	52.59
48 0	52.00	51.85	51.65	51.82	52.16	52.42	52.58	52.48	52.52	52.48	52.45	52.61
53 0	52.00	51.80	51.65	51.87	52.20	52.44	52.60	52.50	52.50	52.45	52.47	52.66
58 0	52.00	51.70	51.62	51.93	52.22	52.41	52.60	52.46	52.50	52.48	52.48	52.70
Therm.	82°5	83°0	83°4	83°0	82°5	82°0	81°9	81°4	81°2	80°9	80°8	80°8

TERM-DAY OBSERVATIONS, ON THE 23RD OF MARCH 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	20'796	21'002	20'522	20'453	20'522	22'032	23'677	23'267	22'923	22'168	21'139	20'728
5 0	21.071	20.728	20.590	20.316	21.071	22.374	23.953	23·198	23.060	22.101	21.002	20·728
10 0	21.276	20.933	20.590	20.385	21.208	22.512	24.021	23·130	22.923	21.963	20·933	20.723
15 0	21.276	21.002	20.453	20·385	21.139	22.512	23.746	22·991	23 854	21.758	20.796	20·728
20 0	21.208	21.071	20·453	20.385	21.002	22.581	23.677	22·923	22.854	21.688	20.659	20.728
25 0	21.208	21.002	20.659	20.659	21.002	22.581	23.540	22·923	22.923	21.619	20.659	20·728
30 0	21·139	20.865	20.522	20.728	21.071	22.647	23.540	22·854	22.787	21.482	20.590	20.659
35 0	21.071	20.796	20.453	20.728	21.139	22.854	23.473	22·854	22.718	21.276	20.590	20.590
40 0	21.002	20 728	20.316	20.590	21.208	23.130	23.404	22·787	22.444	21.208	20.659	20.522
45 0	21.139	20.728	20.179	20.659	21.551	23.198	23·267	22·787	22·444	21.139	20·590	20.522
50 0	21.071	20·659	20.316	20.728	21.895	23.267	23.267	22·787	22.374	21.208	20.590	20.590
55 0	21.139	20.590	20.522	20.590	21·963	23.473	23.267	22.923	22.237	21·208	20.659	20.659

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.41	19.40	19.55	19.51	19.54	19.66	19.90	20.12	20.18	19.91	19.38	19.18
7 0	19.37	19.42	19.58	19.50	19.53	19.66	19.94	20.14	20·17	19.88	19.39	19.18
12 0	19·34	19.42	19.56	19.46	19.55	19.68	19.93	20.17	20.17	19.87	19 37	19.20
17 0	19.33	19.43	19.45	19.54	19.56	19.70	19.98	20.18	20.20	19·86	19.32	19.24
22 0	19.31	19.40	19.41	19.50	19.56	19·72	20.00	20.20	20.18	19.80	19.30	19.25
27 0	19.30	19.38	19.40	19.50	19.56	19.70	20.06	20.22	20.15	19.75	19.31	19.25
32 0	19.30	19.40	19.48	19·47	19.56	19.70	20.11	20.22	20.18	19.72	19.31	19.25
37 0	19.31	19.44	19.54	19.51	19.58	19.73	20.17	20.21	20.15	19.68	19.31	19.23
42 0	19.31	19.45	19.54	19.50	19.58	19.80	20.22	20·22	20.12	19·58	19.31	19.22
47 0	19.31	19·47	19.55	19·50	19.60	19.78	20.18	20.23	20.04	19·50	19.31	19.18
52 0	19.37	19.45	19.57	19·51	19.65	19.83	20.17	20.22	20.04	19.40	19.28	19.17
57 0	19·37	19.47	19.54	19.51	19.66	19.80	20.14	20.19	19.96	19.30	19.19	19.10
Therm.	80°5	80°0	80°0	80°2	80°0	80°0	80°1	80°9	82°9	84°0	84°8	85°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	53.54	53.51	53.56	53.80	54.00	54.20	53.90	53 49	53.39	53.10	53.40	53.40
8 0	53.43	53.51	53.58	53.85	54.00	54.20	53.86	53.48	53.25	53.16	53.38	53.40
13 0	53.45	53.51	53.56	53.86	54.04	54.20	53.82	53.50	53.25	53.25	53.38	53.38
18 0	53.46	53.50	53.52	53.86	54.05	54.18	53.78	53.50	53.22	53.22	53.40	53.38
23 0	53.47	53.49	53.54	53.88	54.08	54.18	53.74	53.48	53.20	53.20	53.40	53.38
28 0	53.48	53.48	53.54	53.90	54.08	54.16	53.72	53.45	53.18	53.20	53.40	53.38
33 0	53.49	53.50	53.55	53.92	54.12	54.14	53.69	53.45	53.10	53.15	53.42	53.37
38 0	53.50	53.52	53.56	53.96	54.12	54.12	53.66	53.44	53.02	53.14	53.42	53.38
43 0	53.50	53.51	53.58	53.96	54.11	54.05	53.60	53.44	53.00	53.16	53.42	53.38
48 0	53.50	53.50	53.60	53.96	54.13	54.00	53.58	53.44	53.00	53.24	53.40	53.44
53 0	53.46	53.52	53.63	53.97	54.15	54.00	53.56	53.43	53.06	53.32	53.40	53.50
58 0	53.50	53.55	53.64	54.00	54.17	54.00	53.53	53.40	53.08	53.40	53.40	53.55
Therm.	81°6	81°2	81°0	81°0	80°8	80°8	81°0	81°6	82°3	83°0	83°8	84°8

TERM-DAY OBSERVATIONS, ON THE 23RD MARCH 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	20'590	20'728	21'276	21'276	21'208	21'482	20'933	21'071	21'482	21'619	21'845	21'071
5 0	20.659	20.728	21.345	21.208	21.002	21.551	20.865	21.208	21.482	21.619	21.345	21.071
10 0	20.796	20.796	21.415	21.208	21.002	21.619	20.865	21.415	21.551	21.551	21.276	21.002
15 0	20.728	20.865	21.619	21.139	21.071	21.619	20.933	21.619	21.551	21.208	21.071	21.002
20 0	20.728	20.933	21.753	21.139	21.071	21.619	20.865	21.753	21.895	21.345	21.208	21.002
25 0	20.590	20.933	21.688	21.139	21.071	21.619	20.933	21.895	21.895	21.139	21.071	21.071
30 0	20.659	21.071	21.619	21.208	21.071	21.345	20.933	21.688	21.895	21.002	21.139	21.071
35 0	20.659	21.139	21.551	21.208	21.071	21.139	20.865	21.482	22.101	21.139	21.208	20.933
40 0	20.659	21.139	21.482	21.276	21.139	21.071	20.796	21.415	22.032	21.345	21.208	20.796
45 0	20.590	21.139	21.415	21.345	21.139	20.933	20.865	21.415	21.895	21.415	21.208	20.728
50 0	20.659	21.208	21.276	21.345	21.276	21.002	21.002	21.345	21.826	21.688	20.933	00.728
55 0	20.728	21.208	21.276	21.208	21.345	21.002	21.002	21.415	21.415	21.551	21.071	20.728

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.04	18.94	18.61	18.45	18.16	17.83	18.10	18.15	18.25	18.56	18.65	18.58
7 0	18.98	18.90	18.56	18.45	18.09	17.82	18.17	18.14	18.20	18.70	18.47	18.58
12 0	19.00	18.88	18.52	18.45	18.08	17.85	18.18	18.20	18.15	18.59	18.70	18.56
17 0	19.00	18.88	18.50	18.45	18.02	17.88	18.23	18.23	18.15	18.57	18.65	18.56
22 0	18.99	18.85	18.49	18.45	18.00	17.90	18.26	18.27	18.20	18.55	18.67	18.54
27 0	18.99	18.82	18.50	18.42	17.96	17.92	18.30	18.34	18.25	18.64	18.63	18.54
32 0	18.99	18.81	18.45	18.38	17.93	17.98	18.33	18.35	18.36	18.70	18.54	18.54
37 0	18.97	18.80	18.44	18.36	17.95	18.04	18.30	18.32	18.46	18.60	18.50	18.55
42 0	18.97	18.76	18.44	18.33	17.95	18.10	18.25	18.31	18.56	18.50	18.54	18.55
47 0	18.98	18.71	18.41	18.32	17.88	18.13	18.22	18.29	18.56	18.57	18.56	18.55
52 0	18.98	18.67	18.43	18.28	17.85	18.08	18.19	18.30	18.56	18.46	18.56	18.55
57 0	18.98	18.63	18.44	18.17	17.82	18.10	18.16	18.28	18.60	18.60	18.55	18.55
Therm.	85°2	85°0	84°7	84°2	83°4	83°0	82°9	82°6	81°9	81°7	81°4	81°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	53.55	53.55	53.55	53.38	53.50	53.72	53.65	53.49	53.57	53.52	53.82	53.75
8 0	53.55	53.58	53.55	53.42	53.55	53.72	53.47	53.50	53.58	53.53	53.78	53.75
13 0	53.55	53.57	53.56	53.42	53.58	53.72	53.44	53.48	53.58	53.51	53.75	53.75
18 0	53.56	53.58	53.56	53.46	53.58	53.72	53.45	53.47	53.60	53.60	53.77	53.74
23 0	53.56	53.60	53.56	53.48	53.58	53.70	53.46	53.49	53.56	53.60	53.75	53.78
28 0	53.56	53.60	53.52	53.48	53.59	53.70	53.47	53.51	53.55	53.59	53.72	53.80
33 0	53.56	53.61	53.48	53.50	53.60	53.68	53.49	53.47	53.56	53.69	53.70	53.80
38 0	53.56	53.62	53.46	53.50	53.62	53.66	53.47	53.46	53.54	53.72	53.73	53.76
43 0	53.55	53.58	53.44	53.51	53.63	53.66	53.45	53.49	53.55	53.80	53.76	53.74
48 0	53.54	53.58	53.40	53.50	53.69	53.65	53.44	53.51	53.53	53.80	53.80	53.72
53 0	53.53	53.57	53.40	53.51	53.72	53.66	53.46	53.51	53.52	53.82	53.78	53.68
58 0	53.54	53.57	53.40	53.50	53.72	53.68	53.47	53.53	53.52	53.82	53.75	53.70
Therm.	85°0	85°1	85°0	84°5	84°2	83°6	83°6	83°6	83°0	82°8	82°6	82°5

TERM-DAY OBSERVATIONS, ON THE 20TH OF APRIL 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'002	21'071	20'865	20'933	21'826	23'404	24'432	23'540	21'688	19'356	17'709	17'160
5 0	21.002	21.002	21.071	20.865	21.688	23.540	24.432	23.404	21.551	19.081	17.846	17.160
10 0	21.071	21.002	21.071	20.796	21.963	23.540	24.363	23.335	21.345	19.013	17.778	17.092
15 0	21.139	20.933	20.933	20.865	22.101	23.677	24.293	23.196	21.208	18.944	17.778	17.023
20 0	21.139	20.933	20.728	20.933	22.374	23.816	24.432	22.787	21.071	18.670	17.641	17.160
25 0	20.933	20.933	20.933	20.865	22.444	24.021	24.432	22.787	21.865	18.464	17.572	17.160
30 0	20.796	20.933	20.796	20.865	22.787	24.090	24.363	22.718	21.728	18.327	17.572	17.229
35 0	21.002	20.933	20.865	20.865	22.854	24.159	24.159	22.581	21.522	18.258	17.229	17.298
40 0	21.071	20.933	20.933	20.796	22.854	24.226	24.159	22.444	21.316	18.189	17.298	17.366
45 0	21.071	20.728	20.933	21.002	22.991	24.226	24.090	22.305	21.042	17.984	17.229	17.503
50 0	21.071	20.728	21.002	21.415	23.130	24.363	24.021	22.101	19.836	17.778	17.229	17.572
55 0	21.002	20.728	20.865	21.688	23.335	24.363	23.953	21.826	19.561	17.778	17.160	17.641

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.90	19.02	19.09	19.17	19.35	19.59	19.95	20.46	20.81	20.74	20.42	19.90
7 0	18.90	19.03	19.09	19.16	19.35	19.55	20.02	20.46	20.80	20.71	20.40	19.85
12 0	18.90	19.04	19.03	19.14	19.38	19.55	20.08	20.53	20.80	20.70	20.30	19.82
17 0	18.92	19.05	19.03	19.17	19.40	19.55	20.10	20.56	20.78	20.68	20.29	19.72
22 0	18.93	19.05	19.04	19.20	19.40	19.57	20.15	20.60	20.77	20.66	20.28	19.66
27 0	18.93	19.04	19.06	19.20	19.44	19.62	20.19	20.63	20.77	20.62	20.22	18.62
32 0	18.93	19.04	19.09	19.21	19.44	19.68	20.26	20.65	20.78	20.58	20.20	19.60
37 0	18.94	19.03	19.09	19.23	19.43	19.73	20.28	20.66	20.78	20.55	20.14	19.56
42 0	18.94	19.03	19.10	19.24	19.43	19.78	20.30	20.69	20.78	20.57	20.08	19.50
47 0	18.96	19.05	19.12	19.25	19.45	19.81	20.34	20.72	20.77	20.57	20.05	19.42
52 0	18.98	19.05	19.14	19.28	19.52	19.85	20.39	20.75	20.78	20.50	20.00	19.38
57 0	19.00	19.09	19.15	19.34	19.55	19.88	20.43	20.81	20.77	20.47	19.97	19.30
Therm.	83°8	83°3	84°1	82°9	82°8	83°3	83°8	84°6	85°5	86°0	86°7	87°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	54.80	54.88	54.91	54.90	55.11	55.05	54.70	54.18	53.80	53.70	53.78	54.05
8 0	54.82	54.88	54.89	54.92	55.10	55.02	54.66	54.15	53.80	53.70	53.80	54.06
13 0	54.82	54.88	54.93	54.94	55.12	55.00	54.66	54.10	53.79	53.70	53.90	54.10
18 0	54.82	54.88	54.91	54.93	55.12	55.00	54.65	54.07	53.78	53.70	53.95	54.13
23 0	54.82	54.88	54.90	54.94	55.14	55.00	54.60	54.02	53.76	53.69	53.96	54.15
28 0	54.83	54.90	54.93	54.97	55.12	55.00	54.54	54.00	53.76	53.66	53.95	54.20
33 0	54.83	54.92	54.95	54.96	55.10	54.98	54.50	53.96	53.77	53.68	53.98	54.22
38 0	54.84	54.90	54.92	54.97	55.09	54.90	54.44	53.92	53.77	53.69	54.00	54.25
43 0	54.84	54.90	54.90	54.98	55.08	54.86	54.38	53.90	53.76	53.69	54.02	54.28
48 0	54.84	54.90	54.90	55.00	55.08	54.80	54.32	53.90	53.75	53.69	54.02	54.30
53 0	54.85	54.91	54.90	55.06	55.07	54.76	54.26	53.88	53.70	53.70	54.04	54.40
58 0	54.87	54.91	54.90	55.10	55.05	54.75	54.22	53.80	53.70	53.74	54.05	54.45
Therm.	84°2	84°2	84°1	83°9	87°5	83°8	84°1	84°9	85°3	86°0	86°6	87°0

TERM-DAY OBSERVATIONS, ON THE 20TH OF APRIL 1859.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	17·778	19·013	20·659	21·208	20·796	19·904	21·758	24·295	24·159	24·090	24·914	25·875
5 0	17.846	19.218	20.728	21.345	20.728	19.561	22.101	24.896	24.090	24.159	24.983	25.669
10 0	17.984	19.352	20.796	21.276	20.659	19.561	22.649	24.639	24.295	24.295	24.846	25.532
15 0	18.052	19.352	20·865	21.208	20.728	19·287	22.787	24.432	24.363	24.914	24.846	25.267
20 0	18·121	19.424	20·865	21.208	20.796	19·356	23.060	24.846	24.090	25.257	24.914	25·394
25 0	18.189	19·630	20·865	21.139	19.287	19.904	23.473	24.983	24.159	25.257	25.532	25·120
30 0	18.258	19.767	20.933	21.139	19.356	20.522	23.473	24.914	24.502	25.189	25.669	25.120
35 0	18.258	20.042	20.933	21.139	19.493	21.071	23.540	23.677	24.295	25.051	25.669	24.983
40 0	18.601	20.110	21·002	21·208	19·493	20.728	23.816	23.473	23.609	24.776	25.669	24.983
45 0	18.807	20·179	21.071	21.071	19.493	21·071	24.846	23.540	24·021	24.295	25.394	25.189
50 0	18 807	20·316	21.139	20·933	19.973	21.415	25.051	23.953	23.884	24·502	25.532	24.983
55 0	18.807	20.522	21·139	20·865	19.247	21.551	24·914	24.159	23.953	24.846	25 669	24.983

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.27	18.84	18·43	18.19	18.06	17.60	17·13	15.92	15.05	14.69	15·32	15.30
7 0	19.22	18.80	18.41	18.17	18.08	17.70	16.90	15.80	14.96	14.78	15.38	15.32
12 0	19·20	18.79	18.40	18.17	18.11	17.70	16.74	15.60	14.80	14.77	15.42	15·35
17 0	19.18	18.74	18.40	18.16	18.12	17.75	16.60	15.46	14.69	14.99	15·44	15.64
22 0	19.12	18.70	18.40	18.18	18.10	17.83	16.40	15.43	14.80	15.29	15.50	15.90
27 0	19.07	18.68	18.39	18.14	18.88	17.73	16·20	15.38	14.75	15.45	15.40	16.15
32 0	19.06	18.65	18.35	18.13	18.77	17.80	16.08	15.37	14.65	15·58	15·40	16.20
37 0	19.05	18.60	18.33	18.13	18.60	17·54	15.92	15.47	14.68	15.53	15.40	16.30
42 0	19.00	18.56	18.31	18.13	18.60	17.76	15.98	15.30	14.95	15·58	15.38	16.44
47 0	18.95	18.51	18.30	18.09	18.52	17.70	16·07	15.27	14.74	15.48	15·36	16·50
52 0	18.93	18.49	18.27	18.08	18.23	17.55	16.07	15.25	14·74	15.47	15.34	16.50
57 0	18.89	18.49	18.22	18.08	18.63	17·25	15.95	15.15	14.67	15.40	15.32	16.54
Therm.	87°6	87°6	87°0	86°6	85°9	85°2	85°2	84°9	84°6	84°5	84°4	84°3

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	54.46	54.67	54·70	54.53	54.40	54.85	55.20	55.28	55.32	55.39	55.50	55.50
8 0	54.46	54.68	54.68	54.52	54.40	54.80	55.28	55.35	55·31	55.32	55.48	55.50
13 0	54.48	54.68	54.70	54.50	54.45	54·80	55.34	55·35	55·37	55·42	55.50	55.45
18 0	54·51	54.68	54.68	54.49	54.47	54.70	55.36	55.32	55.36	55·46	55.52	55.40
23 0	54.51	54.68	54.65	54.50	54.50	54.80	55.38	55.35	55·30	55.49	55.50	55.40
28 0	54.52	54.68	54.61	54.46	54.50	54.90	55.40	55.40	55·35	55.43	55.55	55.32
33 0	54.56	54.66	54.57	54.44	54.40	55.00	55.38	55.36	55.45	55.40	55.54	55.30
38 0	54.62	54.68	54.55	54.42	54.45	55.10	55·36	55.15	55·30	55.39	55.50	55.28
43 0	54.62	54.70	54.55	54.40	54.47	55.00	55.38	55.12	55.25	55.37	55.50	55.25
48 0	54.62	54.70	54.55	54·39	54.52	55·00	55.50	55.20	55.30	55.38	55.48	55.30
53 0	54.64	54.70	54.56	54.39	54.68	55·08	55.50	55·25	55.30	52.39	55.50	55.30
58 0	54.65	54.70	54.55	54.38	54.56	55.15	55.35	55·32	55.37	55.47	55.52	55.32
Therm.	87°2	87°6	88°0	88°0	87°4	87°0	86°4	86°3	85°8	85°5	85°4	85°3

TERM-DAY OBSERVATIONS, ON THE 27TH OF MAY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'482	21'619	21'619	21'963	23'335	23'677	22'991	22'101	20'728	19'218	18'670	19'081
5 0	21.415	21.619	21.551	21.963	23.404	23.677	22.923	22.032	20.590	19.081	18.670	19.150
10 0	21.551	21.551	21.551	21.963	23.404	23.609	22.854	21.895	20.453	18.944	18.670	19.150
15 0	21.551	21.619	21.551	22.305	23.404	23.609	22.854	21.895	20.179	18.944	18.807	19.218
20 0	21.551	21.551	21.688	22.512	23.404	23.609	22.718	21.758	20.042	18.944	18.807	19.218
25 0	21.551	21.688	21.758	22.649	23.540	23.540	22.649	21.551	20.042	18.875	18.875	19.287
30 0	21.551	21.551	21.758	22.718	23.540	23.473	22.512	21.551	19.904	18.875	18.675	19.356
35 0	21.551	21.551	21.758	22.787	23.540	23.473	22.444	21.415	19.904	18.807	18.875	19.366
40 0	21.551	21.551	21.826	22.923	23.609	23.404	22.374	21.276	19.699	18.601	18.944	19.356
45 0	21.551	21.551	21.826	22.923	23.609	23.335	22.305	21.071	19.561	18.601	18.944	19.424
50 0	21.551	21.551	21.826	23.198	23.677	23.267	22.237	21.002	19.424	18.601	18.944	19.493
55 0	21.551	21.619	21.826	23.267	23.677	23.130	22.101	20.865	19.356	18.601	19.013	19.561

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.44	18.50	18.50	18.51	18.57	18.76	19.04	19.28	19.25	19.01	18.64	18.48
7 0	18.41	18.48	18.51	18.52	18.62	18.77	19.10	19.25	19.23	19.00	18.61	18.45
12 0	18.42	18.50	18.51	18.52	18.65	18.79	19.12	19.24	19.23	18.96	18.60	18.43
17 0	18.43	18.51	18.51	18.52	18.65	18.82	19.15	19.24	19.22	18.89	18.59	18.41
22 0	18.43	18.51	18.50	18.55	18.67	18.85	19.18	19.25	19.20	18.82	18.60	18.40
27 0	18.50	18.51	18.51	18.55	18.69	18.87	19.20	19.25	19.14	18.78	18.60	18.38
32 0	18.51	18.52	18.50	18.55	18.69	18.90	19.20	19.25	19.11	18.73	18.59	18.37
37 0	18.51	18.56	18.50	18.54	18.68	18.91	19.23	19.25	19.08	18.72	18.57	18.34
42 0	18.51	18.55	18.51	18.55	18.70	18.94	19.27	19.23	19.00	18.72	18.55	18.32
47 0	18.51	18.50	18.51	18.57	18.71	18.96	19.28	19.23	19.01	18.71	18.51	18.32
52 0	18.52	18.50	18.51	18.57	18.72	18.97	19.29	19.23	19.01	18.70	18.50	18.30
57 0	18.50	18.50	18.51	18.57	18.74	19.00	19.29	19.25	19.01	18.68	18.48	18.27
Therm.	86°9	86°8	86°8	86°8	86°6	87°0	87°5	88°3	88°8	89°6	90°3	90°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	54.77	54.79	54.70	54.80	54.97	54.85	54.55	54.16	54.00	53.92	54.05	54.07
8 0	54.77	54.80	54.77	54.80	54.95	54.83	54.52	54.15	54.02	53.92	54.06	54.06
13 0	54.77	54.80	54.77	54.80	54.92	54.80	54.50	54.13	54.02	53.95	54.06	54.07
18 0	54.76	54.80	54.75	54.86	54.88	54.77	54.47	54.10	54.00	53.95	54.07	54.07
23 0	54.76	54.80	54.72	54.90	54.85	54.75	54.47	54.05	54.00	53.98	54.08	54.07
28 0	54.77	54.80	54.72	54.92	54.82	54.72	54.45	54.05	54.00	54.00	54.05	54.08
33 0	54.77	54.78	54.74	54.92	54.84	54.68	54.41	54.03	54.00	54.01	54.06	54.09
38 0	54.77	54.75	54.75	54.95	54.85	54.66	54.36	54.00	54.00	54.02	54.05	54.09
43 0	54.77	54.77	54.78	54.92	54.85	54.64	54.30	54.00	54.01	54.02	54.05	54.09
48 0	54.77	54.76	54.80	54.92	54.84	54.63	54.25	54.00	54.00	54.02	54.05	54.09
53 0	54.78	54.77	54.78	54.93	54.84	54.62	54.20	54.00	54.00	54.02	54.05	54.09
58 0	54.78	54.78	54.80	54.95	54.85	54.56	54.17	54.00	53.95	54.02	54.06	54.08
Therm.	88°0	88°0	87°8	87°8	87°6	87°9	88°0	88°5	89°0	89°5	90°2	90°2

TERM-DAY OBSERVATIONS, ON THE 27TH OF MAY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19·561	19·767	20·453	20·590	20·522	20·179	20·316	20·453	20·522	20·728	20·796	20·728
5 0	19.493	19.836	20.522	20.590	20·522	20.179	20.385	20.522	20.590	20.728	20.728	20.728
10 0	19.493	19.904	20.590	20.590	20.522	20.179	20.247	20.522	20.590	20.796	20.728	20.796
15 0	19.561	19.836	20.590	20 590	20.522	20.110	20.247	20.453	20.590	20.796	20.728	20.796
20 0	19.630	19.904	20.659	20.659	20·453	20.110	20.316	20.453	20.590	20.865	20.728	20.728
25 0	19.630	19.904	20.659	20.659	20.385	20.110	20.316	20.453	20.590	20.865	20.728	20.796
30 0	19·493	20·042	20.728	20.522	20.385	20.179	20.247	20.453	20.590	20.865	20.728	20.728
35 0	19.493	20·110	20·728	20.522	20.316	20.385	20.247	20.316	20.522	20.865	20·796	20.796
40 0	19.561	20.110	20.728	20.590	20.179	20.385	20.247	20.316	20.728	20.796	20.796	20.933
45 0	19.630	20.865	20.728	20.590	20.110	20.453	20.316	20.385	20.728	20.796	20.728	21.002
50 0	19.699	20.933	20.659	20.590	20.110	20.385	20.316	20.453	20.796	20.728	20.728	21·071
55 0	19.767	21.002	20.659	2 ·522	20.110	20.453	20.385	20.522	20.728	20.728	20.728	21.002

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.27	18.12	17.97	17.95	17.96	17.96	17.99	18.07	18.22	18.28	18.41	18.41
7 0	18.25	18.10	17.97	17.95	17.95	17.95	18.00	18.07	18.21	18.28	18.39	18.40
12 0	18.24	18.10	17.98	17.96	17.96	17.95	18.01	18.10	18.21	18.28	18.40	18.38
17 0	18.23	18.08	17.98	17.99	17.97	17.95	18.04	18.14	18.21	18.28	18.40	18.37
22 0	18.22	18.08	17.96	17.99	18.00	17.94	18.04	18.16	18.22	18.29	18.42	18.36
27 0	18.22	18·04	17.96	17.99	18.00	17.94	18.04	18.16	18.23	18.29	18.44	18.34
32 0	18.21	18·03	17.96	17.99	17.99	17.94	18.06	18.18	18.25	18.30	18.44	18.33
37 0	18.21	18.02	17.96	17.99	17.97	17.93	18.06	18.19	18.26	18.30	18.45	18.31
42 0	18.20	18.00	17.95	17·99	17.99	17·93	18.06	18.20	18.26	18.32	18.45	18.31
47 0	18.19	18.00	17.95	17.99	17.98	17.93	18.06	18.21	18.27	18.36	18.44	18·30
52 0	18.16	17.98	17.95	17.98	17.99	17.93	18.06	18.21	18.27	18.40	18.42	18.30
57 0	18·15	17.98	17.96	17.96	17.98	17.96	18.06	18.21	18.28	18.40	18.41	18.31
Therm.	90°7	91°1	91°0	90°8	90°2	89°7	90°0	88°8	88°7	88°3	88°1	88°1

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	53.05	53.97	54.03	54.00	54.00	54.27	54.40	54.55	54.55	54.72	54.70	54.71
8 0	54.00	54.00	54.00	54.00	54.02	54.30	54.40	54.55	54.59	54.72	54.70	54.71
13 0	54.00	54.00	54.00	54·00	54.02	54.29	54.41	54.55	54·62	54.72	54.70	54.72
18 0	53.98	54.00	54.00	54.00	54.04	54.30	54.42	54.54	54.62	54.71	54.70	54.71
23 0	53.95	54.01	54.00	54.00	54·05	54.30	54.43	54.54	54·65	54.71	54.70	54.72
28 0	53.95	54.00	54·00	54.00	54·04	54.31	54.46	54.54	54.66	54.72	54.70	54.73
33 0	53.94	54.03	54.00	54.00	54.10	54.31	54.46	54.52	54.68	54.70	54.70	54.75
38 0	53.94	54.00	54.00	54.00	54.16	54.32	54.48	54.55	54.68	54.70	54.70	54.76
43 0	53.93	54.00	54.00	54.00	54.19	54.34	54.50	54.55	54.70	54.69	54.70	54.76
48 0	53.94	54.00	54.00	54.00	54.18	54.33	54.50	54.54	54.71	54.68	54.70	54.76
53 0	53.96	54.02	54.00	54.00	54.22	54.37	54.50	54.54	54.70	54·68	54.71	54.77
58 0	53.98	54.02	54.00	54.00	54.26	54.40	54.55	54.55	54.72	54.70	54.71	54.78
Therm.	90°5	91°0	91°4	91°5	91°0	90°7	90°2	89°5	89°2	89°0	88°9	88°9

TERM-DAY OBSERVATIONS, ON THE 22ND OF JUNE 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'758	21'688	21'895	22'101	22'787	24'021	24'363	23'609	22'991	21'071	18'944	17'778
5 0	21.688	21.758	21.826	21.895	23.130	24.021	24.295	23.609	22.923	20.728	18.807	17.846
10 0	21.758	21.826	21.963	22.101	23.335	24.226	24.295	23.540	22.649	20.590	18.670	17.915
15 0	21.551	21.895	21.895	22.168	23.335	24.226	24.295	23.404	22.581	20.385	18.532	17.984
20 0	21.345	21.895	22.101	22.101	23.404	24.295	24.226	23.335	22.444	20.316	18.258	17.984
25 0	21.415	21.826	22.101	22.168	23.473	24.295	24.169	23.267	22.444	20.179	18.189	17.984
30 0	21.551	21.758	21.688	22.444	23.473	24.226	24.090	23.198	22.101	19.904	18.052	17.984
35 0	21.688	21.826	21.963	22.444	23.540	24.159	24.021	23.198	21.963	19.699	17.984	18.052
40 0	21.758	21.758	21.895	22.718	23.540	24.363	23.884	23.130	21.826	19.630	17.915	18.121
45 0	21.895	21.826	21.963	22.649	23.746	24.432	23.816	23.130	21.619	19.424	17.915	18.121
50 0	22.032	21.826	21.758	22.854	23.677	24.432	23.746	23.130	21.415	19.287	17.846	18.189
55 0	21.688	21.826	22.101	22.649	23.746	24.363	23.677	23.060	21.139	19.081	17.778	18.258

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.19	18.25	18.30	18.37	18.54	18.73	18.90	19.08	19.27	19.15	19.00	18.91
7 0	18.17	18.26	18.30	18.40	18.55	18.74	18.91	19.08	19.29	19.14	19.00	18.90
12 0	18.19	18.27	18.30	18.40	18.56	18.79	18.92	19.10	19.29	19.12	18.99	18.89
17 0	18.21	18.27	18.30	18.43	18.57	18.81	18.95	19.11	19.28	19.09	18.99	18.88
22 0	18.23	18.27	18.30	18.43	18.58	18.82	18.96	19.12	19.27	19.06	18.99	18.87
27 0	18.21	18.28	18.30	18.45	18.60	18.82	18.97	19.15	19.26	19.04	18.98	18.85
32 0	18.22	18.28	18.31	18.46	18.58	18.81	18.98	19.18	19.24	19.02	18.98	18.83
37 0	18.22	18.28	18.33	18.49	18.57	18.80	18.98	19.19	19.22	18.98	18.97	18.82
42 0	18.22	18.29	18.33	18.47	18.62	18.82	19.00	19.20	19.22	18.96	18.95	18.80
47 0	18.22	18.29	18.34	18.48	18.64	18.85	19.02	19.22	19.18	18.96	18.92	18.80
52 0	18.23	18.28	18.35	18.49	18.66	18.86	19.02	19.22	19.16	18.96	18.92	18.78
57 0	18.25	18.29	18.35	18.53	18.72	18.88	19.08	19.25	19.16	18.98	18.92	18.75
Therm.	85°9	85°4	85°3	85°2	85°2	85°4	86°0	86°3	86°4	87°2	88°3	88°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	54.62	54.66	54.74	54.78	54.90	54.98	54.72	54.54	54.28	54.02	53.75	53.66
8 0	54.63	54.65	54.74	54.72	54.92	54.98	54.87	54.52	54.25	54.00	53.75	53.65
13 0	54.63	54.67	54.72	54.71	54.90	54.98	54.80	54.53	54.27	54.00	53.73	53.66
18 0	54.62	54.70	54.72	54.71	54.92	54.96	54.75	54.55	54.25	53.98	53.72	53.68
23 0	54.62	54.70	54.74	54.70	54.95	54.95	54.71	54.55	54.23	53.98	53.70	53.70
28 0	54.64	54.69	54.73	54.75	54.95	54.95	54.68	54.55	54.21	53.98	53.68	53.70
33 0	54.63	54.68	54.74	54.76	54.96	54.92	54.66	54.54	54.18	54.00	53.66	53.72
38 0	54.64	54.69	54.76	54.78	54.98	54.88	54.61	54.49	54.16	54.00	53.65	53.75
43 0	54.63	54.70	54.75	54.80	55.00	54.86	54.58	54.44	54.12	53.96	53.65	53.78
48 0	54.62	54.72	54.77	54.85	55.00	54.84	54.57	54.40	54.09	53.92	53.65	53.80
53 0	54.63	54.72	54.77	54.85	54.98	54.90	54.57	54.38	54.06	53.88	53.66	53.82
58 0	54.67	54.72	54.77	54.88	54.98	54.75	54.54	54.30	54.05	53.82	53.66	53.88
Therm.	86°4	86°1	86°0	85°3	85°6	85°7	85°9	86°3	86°3	86°8	87°5	88°3

TERM-DAY OBSERVATIONS, ON THE 22ND OF JUNE 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18·327	20·042	20·933	20·590	20·933	20·590	20·659	20·796	20·865	21·139	21·482	21·482
5 0	18.464	20.179	20.933	20.659	20.865	20.590	20.659	20.796	20.933	21.139	21.415	21.482
10 0	18·532	20.247	20.865	20.728	20.796	20.522	20.659	20.796	21·002	21.208	21.415	21.482
15 0	18.738	20.385	20.865	20.728	20.796	20.453	20.659	20.796	21.002	21.276	21.482	21.482
20 0	18.875	20.453	20.659	20.796	20.796	20.453	20.728	20.796	21·002	21.276	21.482	21.482
25 0	19.081	20.590	20·659	20.865	20.796	20.453	20.728	20.728	21.002	21·276	21.482	21.482
30 0	19.218	20.659	20.659	20.865	20.796	20.453	20.728	20.728	21.002	21.276	21.415	21.415
35 0	19.356	20.796	20.590	20.796	20·796	20.522	20.728	20.796	21.002	21.345	21.415	21.482
40 0	19.561	20.933	20.590	20.865	20.728	20.522	20.796	20.796	21.071	21.345	21.482	21.482
45 0	19.699	21.002	20.590	20.933	20.659	20.590	20.796	20.796	21.139	21.345	21.482	21.482
50 0	19.834	21.071	20.659	20.933	20.590	20.659	20.796	20.796	21.139	21.415	21·482	21.482
55 0	19.973	20.933	20.659	20·933	20.590	20.659	20.796	20.796	21.139	21.415	21.482	21.182

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.72	18.40	18.13	18.10	18.10	18.12	18.13	18.20	18.27	18.40	18.43	18.46
7 0	18.68	18.37	18.12	18.09	18.11	18.12	18·14	18.20	18.28	18.40	18.42	18.46
12 0	18.66	18.34	18.12	18.09	18.10	18.12	18.14	18.21	18.28	18.38	18.42	18.46
17 0	18.63	18.33	18.10	18.09	18.10	18.12	18.14	18.23	18.30	18.36	18.41	18.45
22 0	18.60	18.31	18.10	18.10	18·11	18.11	18.15	18.24	18.33	18.36	18.41	18.47
27 0	18·57	18.29	18.10	18.10	18.11	18.10	18.15	18.23	18.33	18.38	18.42	18.47
32 0	18.54	18.27	18.10	18.10	18.11	18.10	18.15	18.24	18.34	18.40	18.42	18.47
37 0	18.52	18.24	18.09	18.10	18.11	18.12	18.16	18.25	18.34	18.40	18.42	18.48
42 0	18.50	18.22	18.09	18.10	18.11	18.15	18.16	18.25	18.36	18.40	18.44	18.48
47 0	18.46	18.21	18.09	18.10	18.11	18.13	18.17	18.25	18.38	18.41	18.44	18.48
52 0	18.44	18.19	18.10	18.10	18.12	18.13	18.18	18.25	18.39	18.41	18.44	18.48
57 0	18.41	18.16	18.10	18.10	18.13	18.13	18.20	18.25	18.40	18.41	18.46	18.49
Therm.	88°8	89°0	88°9	88°4	87°8	87°2	86°9	86°6	86°4	86°2	86°0	85°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	53.90	54.16	54.14	54.08	54.24	54.25	54.34	54.38	54.37	54·47	54.56	54.60
8 0	53.93	54.17	54·12	54.10	54.25	55.26	54.33	54.38	54.37	54.48	54.56	54.61
13 0	53.95	54.19	54.10	54.10	54.25	54.28	54.32	54.37	54.36	54.50	54.56	54.62
18 0	53.98	54.20	54·05	54.12	54.25	54.28	54.31	54.36	54.35	54.52	54.57	54.62
23 0	53.99	54.20	54.03	54.15	54.23	54.28	54.30	54.37	54.35	54.52	54.57	54.63
28 0	54.03	54.20	54.02	54.17	54.23	54.30	54.31	54.38	54.34	54.52	54.58	54.64
33 0	54·05	54.18	54.02	54.18	54.24	54.32	54.32	54.38	54.38	54.50	54.58	54.64
38 0	54.08	54.17	54.02	54.20	54.24	54.32	54.34	54.39	54.40	54.50	54.58	54.63
43 0	54.10	54.16	54.02	54.20	54.24	54.33	54.36	54.40	54.40	54.50	54.59	54.63
48 0	54·12	54.16	54.02	54·22	54.24	54.36	54.36	54·42	54.40	54.52	54.59	54.63
53 0	54.13	54.17	54.05	54.22	54.24	54.40	54.37	54.42	54.40	54.54	54.60	54.63
58 0	54.14	54.15	54.07	54.24	54.25	54.41	54.38	54.43	54.42	54.56	54.60	54.65
Therm.	88°2	89°0	89°0	88°8	88°2	87°8	87°5	87°1	87°0	86°7	86°5	86°4

TERM-DAY OBSERVATIONS, ON THE 20TH OF JULY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'208	21'345	21'557	21'963	23'473	24'363	23'884	23'060	21'826	20'522	19'356	18'875
5 0	21.208	21.276	21.619	22.032	23.609	24.363	23.884	22 923	21.758	20.453	19.218	18.875
10 0	21.345	21.276	21.619	22.101	23.609	24.363	23.816	22.854	21.415	20.385	19.218	18.944
15 0	21.415	21.345	21.619	22.168	23.677	24.363	23.677	22.854	21 345	20.316	19.218	18.944
20 0	21.415	21.345	21.619	22.237	23.953	24.363	23.609	22.718	21.208	20.179	19.013	19.081
25 0	21.415	21.415	21.619	22.305	24.021	24.295	23.609	22.581	21.071	20.042	19.013	19.218
30 0	21.415	21.415	21.688	22.581	24.090	24.226	23.609	22.374	20.933	19.973	19.013	19.287
35 0	21.482	21.482	21.688	22.718	24.090	24.226	23.609	22.237	20.796	19.836	18.944	19.424
40 0	21.482	21 482	21.688	22.787	24.159	24.159	23.540	22.237	20.796	19.699	18.944	19.424
45 0	21.415	21.482	21.758	22.923	24.159	24.159	23.473	22.178	20.728	19.561	18.875	19.493
50 0	21.415	21.551	21.895	23.060	24.159	24.159	23.473	22.101	20.659	19.424	18.875	19.630
55 0	21.345	21.551	21.895	23.335	24.295	23.884	23.198	21.963	20.659	19.356	18.875	19.630

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.92	18.92	18.94	18.95	18.99	19.09	19.35	19.68	19.82	19.84	19.86	19.74
7 0	18.93	18.92	18.93	18.96	19.01	19.11	19.40	19.68	19.78	19.87	19.87	19.72
12 0	18.93	18.91	18.93	18.96	19.01	19.14	19.40	19.70	19.81	19.88	19.88	19.67
17 0	18.92	18.91	18.94	18.96	19.01	19.15	19.41	19.70	19.83	19.88	19.85	19.66
22 0	18.93	18.91	18.94	18.97	19.02	19.18	19.45	19.71	19.80	19.90	19.85	19.67
27 0	18.93	18.90	18.93	18.97	19.05	19.19	19.50	19.71	19.79	19.89	19.85	19.65
32 0	18.93	18.91	18.92	18.98	19.55	19.20	19.51	19.71	19.79	19.88	19.85	19.61
37 0	18.93	18.91	18.93	18.99	19.03	19.22	19.56	19.76	19.79	19.89	19.85	19.58
42 0	18.93	18.91	18.94	18.99	19.03	19.29	19.61	19.80	19.81	19.89	19.83	19.56
47 0	18.93	18.94	18.95	18.99	19.00	19.30	19.65	19.81	19.84	19.88	19.82	19.55
52 0	18.93	18.92	18.96	18.99	19.03	19.31	19.66	19.81	19.83	19.86	19.81	19.53
57 0	18.92	18.90	18.95	18.99	19.07	19.33	19.69	19.83	19.84	19.85	19.76	19.51
Therm.	81°3	81°5	81°6	81°5	81°0	81°2	81°8	82°4	82°9	83°0	87°1	82°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	55.90	55.84	55.85	55.86	56.13	56.05	55 64	55 35	55.20	55.21	55.20	55.28
8 0	55.92	55.84	55.86	55.87	56.13	56.00	55.62	55.35	55.20	55.22	55.15	55.30
13 0	55.92	55.84	55.85	55.90	56.14	55.92	55.61	55.34	55.20	55.21	55.15	55.32
18 0	55.93	55.84	55.85	55.94	56.14	55.91	55.58	55.34	55.19	55.20	55.15	55.32
23 0	55.93	55.85	55.85	55.98	56.14	55.90	55.56	55.28	55.19	55.20	55.16	55.32
28 0	55.93	55.85	55.86	56.00	56.12	55.88	55.55	55.25	55.19	55.19	55.16	55.34
33 0	55.92	55.86	55.86	56.04	56.08	55.86	55.55	55.25	55.20	55.19	55.22	55.36
38 0	55.91	55.85	55.86	56.05	56.09	55.79	55.52	55.24	55.20	55.20	55.21	55.40
43 0	55.90	55.85	55.86	56.08	56.10	55.79	55.48	55.24	55.19	55.19	55.21	55.40
48 0	55.88	55.85	55.88	56.10	56.09	55.75	55.42	55.24	55.19	55.19	55.24	55.40
53 0	55.85	55.85	55.90	56.10	56.08	55.73	55.40	55.23	55.21	55.20	55.22	55.40
58 0	55.85	55.85	55.87	57.11	56.05	55.68	55.36	55.20	55.21	55.20	55.22	55.40
Therm.	82°0	82°0	82°1	82°2	82°0	82°0	82°3	82°5	83°0	83°0	83°0	83°0

TERM-DAY OBSERVATIONS, ON THE 20TH OF JULY 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19'699	21'002	21'415	21'758	21'415	21'208	20'933	20'933	21'002	21'276	21'071	21'415
5 0	19.699	21.139	21.619	21.688	21.415	21.345	20.933	20.865	21.071	21.276	21·139	21·415
10 0	19.767	21.139	21.758	21.758	21.758	20.933	20.933	20.865	21.139	21.345	21·345	21·071
15 0	19.904	21.139	21.826	21.758	21.758	20.933	20 933	20.865	21.139	21.345	21·345	21·415
20 0	20.042	21.208	21.826	21.758	21.345	20.865	20.933	20.796	21.071	21.345	21·208	21·415
25 0	20.179	21.276	21.688	21.826	21.551	20.865	20.933	20.796	21.071	21.276	21·071	21·208
30 0	20.179	21.276	21.688	21.758	21.482	20.865	20.933	20.796	21.002	21.208	21·345	21.208
35 0	20.316	21.276	21.688	21.688	21.551	20.865	20.865	20·865	21.071	21.071	21·139	21·345
40 0	20.453	21.345	21.688	21.619	21.415	20.865	20.865	20.933	21.071	21.002	21·415	21·276
45 0	20.590	21.345	21.688	21.482	21.345	20.865	20.865	20.933	21.139	20.933	21.276	21·071
50 0	20.796	21.415	21.688	21.415	21.345	20.933	20.865	20.933	21.208	21.071	21·482	21·139
55 0	20.865	21.551	21.758	21.551	21.276	20.933	20.933	20.933	21.208	21.071	21·276	21·139

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.50	19.13	18.92	18.87	19.00	18.95	18.95	18·97	19.07	19.07	19.21	19.24
7 0	19.48	19.10	18.91	18.87	19.00	18.95	18.96	18.98	19.06	19.06	19.16	19.25
12 0	19.47	19·09	18.89	18.86	19.04	18.94	18.95	18.96	19.08	19.06	19.16	19.26
17 0	19.45	19.06	18·88	18.87	19.00	18.96	18.96	18.99	19.09	19.05	19.21	19.22
22 0	19.40	19.05	18.89	18.86	19.02	18 94	18.98	18.98	19.09	19.04	19.18	19.18
27 0	19.37	19.05	18.90	18.89	19.06	18.95	18.96	19.00	19.08	19.07	19.14	19.20
32 0	19.36	19.00	18.90	18.93	19.03	18.94	18.95	19.01	19.08	19.11	19.15	19.23
37 0	19.31	18.99	18.89	18.99	19.05	18.97	18.96	19.00	19.08	19.14	19.15	19.21
42 0	19.27	18.96	18.90	18.98	19.00	18.95	18.95	19.01	19.09	19.14	19.18	19.22
47 0	19.23	18.95	18.90	18.99	18.99	18.95	18.94	19.02	19.09	19.13	19.15	19·26
52 0	19.20	18.95	18.90	18.99	18.97	18.95	18.94	19.02	19.07	19.15	19.12	19.23
57 0	19.15	18.94	18.88	19.00	18.95	18.93	18.95	19.04	19.06	19.17	19.15	19.28
Therm.	82°8	82°5	82°3	81°5	81°0	81°3	81°0	80°7	80°5	80°1	80°0	79°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	55.41	55.46	55.48	55.38	55.45	55.55	55.70	55.68	55.85	55.96	56.01	56.04
8 0	55.45	55.46	55.48	55.38	55.45	55.56	55.68	55.70	55.85	55.96	56.05	56.02
13 0	55.45	55.46	55.48	55.39	55.50	55.60	55.65	55.72	55.85	55.98	56.05	56.03
18 0	55.46	55.45	55.49	55.39	55.50	55.60	55.66	55.75	55.87	55.99	56.05	55.97
23 0	55.48	55.45	55.49	55.40	55.55	55.59	55.68	55.76	55.88	55.99	56.02	56.01
28 0	55.48	55.45	55.48	55.40	55.55	55.59	55.66	55.76	55.88	55.99	56.02	56.05
33 0	55.46	55.46	55.48	55.39	55.60	55.59	55.66	55.78	55.87	56.00	56.05	56.08
38 0	55.46	55.46	55.46	55.41	55.60	55.60	55.67	55.80	55.88	56.00	56.00	56.08
43 0	55.45	55.46	55.42	55.43	55.58	55.60	55.66	55.80	55.89	55.99	56.05	56.08
48 0	55.45	55.46	55.40	55.46	55.55	55.61	55.65	55.82	55.90	55.98	56.04	56.05
53 0	55.46	55.46	55.38	55.46	55.52	55.61	55.65	55.82	55.92	55.99	56.06	56.05
58 0	55.45	55.46	55.38	55.46	55.60	55.65	55.68	55.82	55.95	56.01	56.02	56.00
Therm.	83°2	83°0	82°7	82°1	81°8	82°0	81°7	81°3	81°0	80°6	80°5	80°3

TERM-DAY OBSERVATIONS, ON THE 26TH OF AUGUST 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'895	21'963	22'101	22'512	23'885	24'159	23'473	21'345	18'395	16'955	15'944	17'503
5 0	21.551	21.963	22.032	22.649	24.021	24.159	23.404	21.276	18.121	16.886	16.464	17.641
10 0	21.551	21.963	22.032	22.787	23.953	24.159	23.130	21.208	17.915	16.955	16.680	17.778
15 0	21.551	21.963	22.101	23.060	24.021	24.090	22.923	21.071	17.709	16.955	16.749	17.915
20 0	21.551	21.963	22.237	23.267	24.090	24.090	22.787	20.933	17.435	16.817	16.886	17.984
25 0	21.826	21.963	22.305	23.267	24.090	24.021	22.718	20.659	17.298	16.886	16.955	18.121
30 0	21.963	21.963	22.237	23.404	24.159	23.953	22.580	20.247	17.160	16.955	17.023	18.327
35 0	21.963	21.963	22.237	23.473	24.226	23.953	22.305	19.904	17.160	16.955	17.092	18.327
40 0	21.963	21.963	22.374	23.609	24.226	24.021	22.101	19.424	17.229	16.955	17.160	18.464
45 0	21.963	22.101	22.444	23.609	24.226	24.021	21.895	19.081	17.160	16.955	17.298	18.670
50 0	21.963	22.237	22.444	23.677	24.226	23.884	21.619	18.738	17.092	16.886	17.366	18.738
55 0	21.963	22.237	22.444	23.746	24.159	23.609	21.415	18.670	17.092	16.543	17.503	18.738

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.43	19.41	19.42	19.39	19.52	19.55	20.07	20.45	21.55	21.07	20.73	20.45
7 0	19.41	19.40	19.40	19.38	19.50	19.56	20.10	20.60	21.53	21.00	20.70	20.40
12 0	19.42	19.41	19.41	19.39	19.47	19.60	20.10	20.85	21.53	20.93	20.68	20.34
17 0	19.46	19.41	19.41	19.39	19.46	19.67	20.10	21.10	21.50	20.90	20.66	20.32
22 0	19.48	19.41	19.40	19.40	19.45	19.72	20.10	21.22	21.45	20.90	20.62	20.31
27 0	19.46	19.42	19.39	19.40	19.46	19.74	20.10	21.40	21.40	20.84	20.60	20.28
32 0	19.44	19.43	19.40	19.43	19.46	19.77	20.13	21.51	21.35	20.80	20.57	20.28
37 0	19.42	19.43	19.40	19.47	19.48	19.80	20.20	21.55	21.30	20.80	20.55	20.25
42 0	19.41	19.43	19.40	19.50	19.49	19.89	20.30	21.59	21.28	20.78	20.54	20.24
47 0	19.40	19.44	19.41	19.49	19.51	19.98	20.30	21.60	21.22	20.77	20.52	20.18
52 0	19.40	19.45	19.41	19.50	19.51	20.01	20.35	21.60	21.20	20.77	20.51	20.14
57 0	19.42	19.43	19.41	19.51	19.54	20.05	20.40	21.60	21.14	20.76	20.47	20.08
Therm.	79°0	79°1	78°7	78°7	78°6	78°6	79°2	80°2	80°1	80°1	80°0	79°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	58.06	58·00	58.04	58·15	58·35	58.13	57·69	57.55	56.92	57·22	57.38	57.84
8 0	58.05	58·00	58.06	58.18	58.33	58·11	57.66	57·54	56.95	57.25	57.39	57.87
13 0	58·02	58·00	58·06	58.22	58·31	58.06	57.64	57.50	56.92	57.25	57.42	57.94
18 0	58.00	58.01	58.06	58.25	58.28	58·02	57.60	57.44	56.92	57.28	57.45	57.96
23 0	58.00	58·00	58.08	58·26	58.24	58.00	57.56	57.36	56.92	57·30	57.49	57.97
28 0	58·00	58.00	58.12	58.26	58·24	57.99	57.52	57.26	56·95	57.36	57.58	57.98
33 0	58.00	58.00	58.12	58.28	58.24	57·96	57.50	57.20	56.97	57.40	57.61	58.00
38 0	58·00	58·00	58.12	58.30	58·25	57·95	57.46	57.11	57.00	57·40	57.65	58.00
43 0	58.01	58.00	58.14	58.33	58.23	57.88	57.40	57.00	57·06	57·40	57.67	58.00
48 0	58.00	58.02	58.15	58.35	58.22	57.85	57.36	56.99	57.12	57.40	57.69	58.01
53 0	58.00	58.05	58.15	58·35	58.18	57.80	57.31	56·98	57.14	57.40	57.72	58.03
58 0	58.00	58·05	58·15	58.35	58.15	57.71	57.50	56.99	57.20	57.35	57.80	58.03
Therm.	79°9	79°7	79°1	79°2	79°1	79°0	79°1	80°0	80°0	80°0	80°0	79°9

TERM-DAY OBSERVATIONS, ON THE 26TH OF AUGUST 1859.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18'875	20'796	21'758	21'276	20'316	20'522	20'590	20'590	21'002	21'276	21'638	22'032
5 0	19.013	21.071	21.826	21.208	20.316	20.590	20.659	20.590	21.002	21.276	21.619	22.032
10 0	19.218	21.071	21.826	21.208	20.385	20.590	20.590	20.659	21.002	21.345	21.619	22.101
15 0	19.356	21.345	22.032	21.139	20.385	20.659	20.659	20.659	21.002	21.345	21.758	22.032
20 0	19.493	21.415	22.032	21.139	20.385	20.728	20.590	20.659	21.071	21.415	21.826	22.101
25 0	19.699	21.071	22.032	21.071	20.385	20.796	20.522	20.728	21.071	21.415	21.895	22.101
30 0	19.904	21.276	21.895	20.865	20.385	20.728	20.453	20.796	21.002	21.415	21.826	22.101
35 0	20.110	21.415	21.826	20.728	20.453	20.659	20.453	20.796	21.002	21.415	21.895	22.101
40 0	20.179	21.482	21.826	20.728	20.453	20.659	20.522	20.728	21.071	21.482	21.895	22.101
45 0	20.179	21.619	21.551	20.659	20.453	20.590	20.522	20.728	21.139	21.482	21.963	22.101
50 0	20.590	21.415	21.345	20.590	20.453	20.522	20.659	20.865	21.139	21.482	21.963	22.101
55 0	20.728	21.415	21.276	20.522	20.522	20.522	20.659	20.933	21.139	21.619	22.032	22.032

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	20.05	19.79	19.89	19.78	19.75	19.65	19.48	19.56	19.46	19.51	19.35	19.31
7 0	20.04	19.76	19.85	19.78	19.73	19.65	19.50	19.54	19.48	19.51	19.33	19.31
12 0	19.96	19.76	19.83	19.79	19.75	19.61	19.53	19.56	19.53	19.49	19.33	19.32
17 0	19.94	19.75	19.84	19.80	19.75	19.58	19.58	19.56	19.55	19.48	19.34	19.31
22 0	19.93	19.76	19.84	19.78	19.74	19.57	19.65	19.54	19.55	19.46	19.36	19.31
27 0	19.90	19.94	19.86	19.76	19.73	19.55	19.62	19.60	19.55	19.46	19.33	19.31
32 0	19.85	20.05	19.90	19.75	19.70	19.55	19.62	19.60	19.53	19.45	19.31	19.33
37 0	19.85	20.01	19.83	19.76	19.68	19.55	19.62	19.61	19.52	19.44	19.30	19.33
42 0	19.84	19.95	19.80	19.78	19.66	19.52	19.60	19.56	19.51	19.42	19.31	19.35
47 0	19.82	19.93	19.80	19.76	19.66	19.51	19.59	19.50	19.51	19.42	19.31	19.37
52 0	19.82	19.99	19.83	19.76	19.67	19.50	19.58	19.50	19.50	19.40	19.32	19.40
57 0	19.82	19.97	19.79	19.75	19.66	19.50	19.57	19.46	19.50	19.39	19.31	19.40
Therm.	80°0	80°2	80°0	79°2	79°3	79°6	79°6	79°5	79°1	79°1	79°3	79°5

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	58.01	58.10	57.90	57.70	57.70	57.80	57.70	57.70	57.85	57.95	57.97	57.91
8 0	58.01	58.06	57.89	57.72	57.72	57.76	57.70	57.72	57.94	57.95	57.97	57.91
13 0	58.01	58.04	57.85	57.72	57.71	57.76	57.75	57.71	57.90	57.95	57.97	57.90
18 0	58.01	58.00	57.82	57.70	57.73	57.74	57.70	57.73	57.90	57.95	57.97	57.90
23 0	58.01	58.01	57.82	57.70	57.76	57.73	57.71	57.73	57.90	57.96	57.97	57.89
28 0	58.03	57.90	57.80	57.69	57.77	57.73	57.69	57.75	57.90	57.96	57.97	57.89
33 0	58.08	57.90	57.78	57.68	57.78	57.70	57.70	57.78	57.90	57.96	57.97	57.88
38 0	58.10	57.96	57.78	57.68	57.81	57.67	57.70	57.78	57.90	57.96	57.96	57.88
43 0	58.11	58.00	57.75	57.66	57.85	57.69	57.71	57.79	57.90	57.95	57.96	57.87
48 0	58.12	57.92	57.74	57.68	57.87	57.72	57.72	57.80	57.90	57.95	57.94	57.86
53 0	58.12	57.84	57.72	57.68	57.85	57.70	57.72	57.80	57.92	57.96	57.93	57.85
58 0	58.10	57.85	57.72	57.70	57.84	57.70	57.70	57.80	57.95	57.96	57.93	57.80
Therm.	80°0	80°3	80°2	79°5	79°5	79°9	79°9	80°0	80°0	79°9	79°9	8,0°0

TERM-DAY OBSERVATIONS, ON THE 21ST OF SEPTEMBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'276	21'310	21'415	21'276	22'032	23'884	24'502	24'363	22'991	21'415	20'453	20'042
5 0	21.345	21.276	21.276	21.345	22.168	24.021	24.432	24.159	22.923	21.345	20.385	20.316
10 0	21.345	21.276	21.276	21.345	22.305	24.090	24.502	24.021	22.787	21.208	20.316	20.247
15 0	21.415	21.208	21.415	21.345	22.551	24.159	24.502	23.953	22.581	21.071	20.179	20.316
20 0	21.345	21.208	21.345	21.208	22.718	24.159	24.502	23.884	22.444	20.865	20.179	20.316
25 0	21.276	21.139	21.208	21.208	22.787	24.226	24.432	23.816	22.374	20.796	20.179	20.385
30 0	21.276	21.208	21.139	21.276	22.923	24.432	24.432	23.746	22.305	20.728	20.110	20.385
35 0	21.276	21.139	21.139	21.276	23.198	24.502	24.432	23.677	22.101	20.728	20.179	20.385
40 0	21.276	21.139	21.139	21.482	23.404	24.502	24.502	23.540	21.963	20.659	20.101	20.385
45 0	21.345	21.139	21.208	21.619	23.473	24.502	24.432	23.473	21.758	20.590	20.042	20.453
50 0	21.482	21.415	21.276	21.758	23.540	24.502	24.502	23.198	21.551	20.590	20.042	20.453
55 0	21.449	21.551	21.276	21.826	23.746	24.432	24.432	23.060	21.482	20.522	20.042	20.590

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.21	19.23	19.27	19.30	19.20	19.11	19.32	19.71	19.93	19.71	19.70	19.61
7 0	19.20	19.21	19.29	19.30	19.17	19.11	19.37	19.73	19.92	19.71	19.70	19.63
12 0	19.20	19.20	19.29	19.30	19.17	19.11	19.40	19.77	19.90	19.72	19.70	19.61
17 0	19.20	19.18	19.30	19.30	19.16	19.13	19.44	19.80	19.88	19.72	19.70	19.60
22 0	19.20	19.17	19.31	19.30	19.16	19.17	19.48	19.82	19.88	19.71	19.69	19.58
27 0	19.20	19.18	19.30	19.30	19.14	19.20	19.50	19.84	19.86	19.72	19.69	19.56
32 0	19.20	19.17	19.30	19.29	19.12	19.21	19.53	19.86	19.81	19.72	19.67	19.53
37 0	19.21	19.19	19.29	19.27	19.11	19.24	19.57	19.88	19.80	19.72	19.66	19.51
42 0	19.21	19.21	19.30	19.24	19.11	19.27	19.59	19.89	19.79	19.72	19.64	19.47
47 0	19.22	19.22	19.30	19.22	19.11	19.28	19.62	19.92	19.76	19.72	19.63	19.43
52 0	19.22	19.25	19.30	19.22	19.11	19.26	19.64	19.93	19.73	19.72	19.61	19.41
57 0	19.23	19.26	19.29	19.20	19.10	19.28	19.68	19.94	19.71	19.71	19.60	19.41
Therm.	80°8	80°7	80°8	80°9	81°0	81°1	81°5	52°0	82°3	83°6	83°9	84°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	60.24	60.27	60.33	60.37	60.62	60.72	60.55	60.22	59.79	59.70	59.63	59.65
8 0	60.25	60.27	60.33	60.38	60.65	60.72	60.54	60.18	59.79	59.69	59.65	59.65
13 0	60.25	60.28	60.34	60.40	60.66	60.70	60.54	60.13	59.76	59.69	59.65	59.65
18 0	60.24	60.29	60.35	60.40	60.66	60.70	60.53	60.07	59.73	59.68	59.63	59.64
23 0	60.25	60.30	60.35	60.42	60.66	60.70	60.51	60.04	59.71	59.67	59.63	59.64
28 0	60.25	60.32	60.36	60.43	60.68	60.70	60.51	60.00	59.70	59.68	59.64	59.64
33 0	60.26	60.33	60.36	60.41	60.70	60.68	60.48	59.98	59.70	59.65	59.65	59.65
38 0	60.26	60.33	60.36	60.46	60.70	60.68	60.42	59.97	59.70	59.65	59.65	59.65
43 0	60.26	60.32	60.38	60.50	60.70	60.63	60.36	59.96	59.70	59.65	59.65	59.65
48 0	60.26	60.33	60.37	60.58	60.72	60.60	60.31	59.95	59.70	59.64	59.65	59.67
53 0	60.26	60.34	60.38	60.60	60.70	60.60	50.27	59.87	59.70	59.64	59.65	59.70
58 0	60.28	60.33	60.40	60.60	60.72	60.58	60.24	59.83	59.70	59.63	59.65	59.70
Therm.	81°7	81°7	81°8	81°7	81°7	81°8	81°9	82°1	83°0	83°2	83°5	84°0

TERM-DAY OBSERVATIONS, ON THE 21ST OF SEPTEMBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	20'659	21'482	21'758	21'345	21'276	21'276	21'071	21'208	21'415	21'395	21'688	21'395
5 0	20.728	21.551	21.758	21.345	21·276	21.139	21.139	21.208	21.345	21.826	21.895	21.551
10 0	20.865	21.551	21.758	21.139	21.208	21.208	21.139	21.276	21.276	21.758	21.619	21.345
15 0	20.865	21.551	21.758	21.139	21.002	20.865	21.139	21.208	21.415	22.101	21.758	21.276
20 0	20.933	21.482	21.688	21.071	21·276	21.208	21.139	21.345	21.139	21.758	21.688	21.482
25 0	21.002	21.482	21.688	21.002	21.208	21.071	21.208	21.276	21.758	22.101	21.619	21.551
30 0	21·139	21.482	21.688	20.933	21.415	21.482	21.276	21.345	21.619	21.826	21.482	21.688
35 0	21.208	21·551	21·619	20.865	21.208	21.071	21.242	21.415	21.139	22.032	21·551	21.758
40 0	21.276	21.619	21.619	20.865	21.276	21.482	21.276	21.482	21.895	21.758	21.482	21.688
45 0	21.415	21.688	21.482	20.865	21.415	21.482	21.276	21.551	21.963	21.826	21.345	21.482
50 0	21.482	21.758	21.482	21.071	21.276	21.345	21.415	21.415	22.032	22.032	21.276	21·551
55 0	21.482	21.758	21.415	21·071	21.208	21.415	21.345	21.482	21.963	21.415	21.482	21.482

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.40	19.17	19.13	19.10	19.05	19.08	19.23	19.34	19.27	19.22	19.35	19.37
7 0	19.39	19.16	19.13	19.11	19.07	19.08	19.20	19.32	19.30	19.18	19.38	19.35
12 0	19.36	19.14	19.14	19.09	19.03	19.07	19.15	19.31	19.28	19·25	19.41	19.33
17 0	19.35	19.13	19.14	19.09	19.05	19.10	19.20	19.28	19.35	19.24	19.45	19.34
22 0	19.35	19.14	19.12	19.07	19.06	19.08	19.18	19.23	19.27	19.27	19.48	19.37
27 0	19.34	19·14	19.13	19.05	19.04	19.13	19.19	19.20	19.30	19.26	19.43	19.40
32 0	19.31	19·14	19.12	19.03	19.09	19.19	19.17	19.22	19.25	19.18	19.39	19.39
37 0	19.30	19.14	19.12	19.02	19.06	19.11	19.21	19.23	19.28	19.30	19.38	19.43
42 0	19.29	19.13	19.13	19·02	19.05	19·17	19.24	19.24	19.23	19.35	19.37	19.45
47 0	19.24	19.13	19.12	19.02	19.06	19.09	19.25	19.22	19.21	19.25	19.37	19·42
52 0	19.20	19.13	19.11	19.00	19.10	19.09	19.23	19.27	19.25	19.31	19.36	19.43
57 0	19·19	19.13	19.11	19.01	19.07	19.10	19.28	19.25	19.28	19.30	19.40	19.39
Therm.	85°0	84°7	84°0	84°0	82°0	80°8	80°4	80°2	80°0	80°0	79°7	79°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	59.70	59.67	59.59	59.55	59.70	60.01	60.05	60.14	60.24	60.50	60.42	60.52
8 0	59.70	59.67	59.59	59.55	59.88	60.02	60.04	60.14	60.28	60.45	60.45	60.52
13 0	59.68	59.66	59.56	59·59	59.86	60.02	60.06	60.15	60·28	60.45	60.45	60.53
18 0	59.65	59.64	59.52	59.58	59.90	60.00	60.07	60.16	60.30	60.42	60.45	60.53
23 0	59.66	59.63	59.51	59.60	59·90	60.04	60.10	60.14	60·31	60.40	60.45	60.54
28 0	59.65	59.62	59·51	59.60	59·88	60.04	60.08	60.16	60.32	60.40	60.46	60.54
33 0	59.66	59.62	59.49	59.60	59.86	60.09	60.09	60.17	60.33	60.40	60.46	60.55
38 0	59.66	59.60	59.48	59.60	59.90	60.06	60.11	60.19	60.34	60.42	60.48	60.55
43 0	59.67	59.59	59.46	59.60	59.92	60.08	60.10	50.21	60.35	60.41	60.52	60.55
48 0	59.67	59.59	59.50	59.60	59.93	60.06	60.11	60.23	60.38	60.41	60.55	60.55
53 0	59.68	59.58	59.50	59.60	59.96	60.06	60.13	60.24	60.39	60·44	60.55	60.55
58 0	59.67	59.59	59.50	59.61	60.01	60.04	60.13	60.23	60.40	60.48	60.52	60.55
Therm.	84°8	85°0	84°9	84°6	83°1	82°5	82°1	81°8	81°3	81°2	81°0	80°6

TERM-DAY OBSERVATIONS, ON THE 19TH OF OCTOBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	22'237	22'101	22'101	22'444	22'923	24'502	25'699	25'326	24'639	23'473	22'444	22'991
5 0	22.168	22.032	22.032	22.512	22.991	24.502	25.737	25.326	24.570	23.060	22.444	23.130
10 0	22.237	22.101	22.101	22.444	22.991	24.846	25.737	25.257	24.502	22.923	22.444	23.198
15 0	22.237	22.101	22.168	22.305	23.198	25.189	25.737	25.257	24.363	22.991	22.444	23.198
20 0	22.305	22.032	22.101	22.512	23.413	25.463	25.737	25.257	24.295	22.787	22.512	23.198
25 0	22.305	22.101	22.032	22.581	23.677	25.463	25.669	25.189	24.226	22.718	22.512	23.130
30 0	22.168	22.032	22.237	22.581	23.746	25.394	25.532	25.120	24.159	22.581	22.512	23.130
35 0	22.237	22.168	22.444	22.512	23.884	25.532	25.394	25.051	24.021	22.581	22.649	23.198
40 0	22.101	22.032	22.237	22.444	23.884	25.532	25.394	24.983	23.953	22.512	22.649	23.198
45 0	22.032	22.101	22.168	22.374	24.159	25.532	25.326	24.914	23.816	22.512	22.718	23.130
50 0	22.168	22.032	22.101	22.444	24.502	25.600	25.394	24.846	23.816	22.444	22.787	23.060
55 0	22.101	22.032	22.374	22.512	24.570	25.669	25.394	24.707	23.677	22.444	22.923	22.991

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.46	18.62	18.63	18.65	18.54	18.38	18.52	18.81	19.03	19.14	18.87	18.49
7 0	18.49	18.60	18.65	18.63	18.54	18.40	18.57	18.83	19.05	19.18	18.85	18.42
12 0	18.48	18.60	18.64	18.64	18.50	18.40	18.57	18.85	19.06	19.13	18.77	18.39
17 0	18.50	18.59	18.65	18.65	18.41	18.40	18.57	18.87	19.09	19.08	18.74	18.34
22 0	18.58	18.60	18.66	18.63	18.37	18.44	18.58	18.88	19.10	19.09	18.70	18.33
27 0	18.63	18.60	18.65	18.59	18.30	18.43	18.62	18.89	19.10	19.05	18.65	18.30
32 0	18.60	18.61	18.65	18.57	18.36	18.43	18.65	18.92	19.11	19.05	18.61	18.28
37 0	18.55	18.61	18.65	18.55	18.40	18.43	18.66	18.95	19.09	19.05	18.57	18.30
42 0	18.55	18.63	18.66	18.52	18.40	18.46	19.68	18.98	19.10	18.05	18.55	18.29
47 0	18.57	18.61	18.68	18.50	18.40	18.47	19.71	19.01	19.08	18.05	18.52	18.24
52 0	18.60	18.63	18.66	18.54	18.33	18.50	19.74	19.02	19.06	18.00	18.52	18.21
57 0	18.63	18.62	18.65	18.49	18.34	18.50	19.76	19.03	19.08	18.96	18.49	18.19
Therm.	79°1	79°2	79°1	79°0	78°8	78°9	79°3	80°1	81°6	82°9	83°7	84°1

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	63.18	63.18	63.18	63.31	63.34	63.36	63.30	63.18	63.05	62.90	62.88	62.93
8 0	63.18	63.16	63.22	63.33	63.34	63.36	63.28	63.18	63.03	62.86	62.88	62.92
13 0	63.20	63.16	63.22	63.34	63.35	63.38	63.30	63.16	63.03	62.86	62.90	62.92
18 0	63.20	63.16	63.25	63.36	63.35	63.38	63.30	63.15	63.04	62.87	62.94	62.92
23 0	63.22	63.16	63.25	63.36	63.38	63.38	63.30	63.15	63.04	62.87	62.94	62.92
28 0	63.22	63.16	63.24	63.36	63.38	63.35	63.28	63.15	63.04	62.88	62.95	62.92
33 0	63.20	63.16	63.26	63.35	63.38	63.32	63.25	63.13	63.03	62.88	62.95	62.90
38 0	63.18	63.16	63.27	63.36	63.38	63.30	63.22	63.12	63.02	62.87	62.96	62.90
43 0	63.18	63.16	63.30	63.38	63.36	63.30	63.22	63.12	63.01	62.88	62.98	62.88
48 0	63.18	63.16	63.30	63.37	63.35	63.30	63.22	63.06	62.98	62.88	62.96	62.86
53 0	63.18	63.16	63.31	63.40	63.35	63.30	63.20	63.05	62.95	62.88	62.95	62.86
58 0	63.18	63.18	63.30	63.38	63.36	63.30	63.18	63.05	62.92	62.88	62.95	62.85
Therm.	80°2	80°0	79°9	79°9	69°5	79°6	79°6	80°0	80°8	82°0	82°9	83°2

TERM-DAY OBSERVATIONS, ON THE 19TH OF OCTOBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	22'923	23'198	23'335	23'953	23'335	23'540	23'404	23'060	22'991	22'923	23'540	23'473
5 0	22.923	23.267	23.473	23.540	23.609	23.473	23.404	23.060	22.854	23.198	23.267	23.473
10 0	23.060	23.267	23.540	23.473	23.884	23.335	23.060	23.060	22.854	23.335	23.404	23.473
15 0	23.130	23.267	23.473	23.335	23.677	23.473	23.060	23.267	22.923	23.404	23.473	23.473
20 0	23.130	23.267	23.404	23.130	23.473	23.473	22.923	23.404	22.923	23.404	23.473	23.540
25 0	23.060	23.335	23.473	23.198	23.198	23.473	22.854	23.884	22.923	23.404	23.540	23.540
30 0	23.060	23.335	23.473	23.060	22.854	23.473	22.854	23.953	22.854	23.473	23.609	23.404
35 0	22.991	23.404	23.540	22.991	22.787	23.540	22.854	23.884	22.787	23.404	23.540	23.130
40 0	22.991	23.404	23.540	22.991	22.787	23.540	22.854	23.953	22.854	23.335	23.540	22.991
45 0	22.991	23.404	23.816	23.060	22.854	23.540	22.854	23.473	22.854	23.473	23.540	23.130
50 0	22.991	23.335	23.884	22.991	23.130	23.473	22.854	23.335	22.787	23.677	23.540	23.198
55 0	23.130	23.335	23.953	23.130	23.473	23.473	22.991	23.335	22.787	23.540	23.540	23.198

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.15	17.81	17.67	17.59	16,68	17.07	16.84	17.14	17.84	18.09	17.98	17.84
7 0	18.12	17.80	17.61	17.48	16.76	17.10	16.85	17.16	17.89	18.02	17.95	17.85
12 0	18.10	17.80	17.56	17.36	16.90	17.11	16.92	17.16	17.96	17.96	17.95	17.87
17 0	18.06	17.79	17.58	17.25	17.10	17.04	16.93	17.22	17.94	17.95	17.96	17.85
22 0	18.05	17.75	17.63	17.12	17.22	17.02	17.01	17.30	17.98	17.99	17.96	17.85
27 0	18.04	17.71	17.69	17.05	17.24	16.96	17.03	17.38	18.01	17.98	17.90	17.90
32 0	18.02	17.70	17.76	16.94	17.12	16.95	17.05	17.46	18.03	18.01	17.85	17.96
37 0	18.01	17.70	17.81	16.89	17.06	16.95	17.06	17.60	17.99	18.03	17.87	18.06
42 0	17.98	17.69	17.76	16.81	16.96	16.95	17.08	17.64	17.95	18.04	17.90	18.12
47 0	17.96	17.72	17.71	16.75	16.87	16.95	17.11	17.71	18.02	17.98	17.86	18.14
52 0	17.90	17.71	17.69	16.73	16.93	16.86	17.12	17.72	18.09	17.94	17.85	18.15
57 0	17.85	17.70	17.65	16.69	17.04	16.85	17.14	17.77	18.13	17.96	17.89	18.24
Therm.	84°4	84°5	84°2	83°5	82°8	82°2	81°9	81°6	81°2	80°8	80°4	83°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	62.85	62.83	62.85	62.80	62.80	62.83	62.90	62.94	63.00	63.05	63.03	63.05
8 0	62.85	62.82	62.84	62.79	62.82	62.84	62.90	62.95	63.00	63.03	63.03	63.05
13 0	62.85	62.82	62.85	62.79	62.82	62.85	62.88	62.95	63.02	63.02	63.04	63.05
18 0	62.85	62.82	62.85	62.79	62.82	62.85	62.88	62.98	63.01	63.01	63.05	63.04
23 0	62.85	62.83	62.84	62.80	62.82	62.85	62.90	62.98	63.01	63.03	63.05	63.04
28 0	62.85	62.85	62.80	62.80	62.82	62.85	62.90	63.00	63.03	63.03	63.03	63.05
33 0	62.85	62.85	62.80	62.81	62.82	62.86	62.90	63.02	63.04	63.04	63.02	63.05
38 0	62.85	62.86	62.79	62.80	62.82	62.88	62.90	63.02	63.02	63.02	63.02	63.05
43 0	62.84	62.86	62.79	62.83	62.82	62 88	62.92	63.02	63.01	63.04	63.02	63.04
48 0	62.83	62.86	62.78	62.83	62.82	62.88	62.92	63.00	63.03	63.04	63.02	63.04
53 0	62.83	62.85	62.81	62.82	62.84	62.90	62.92	63.00	63.05	63.05	63.02	63.04
58 0	62.83	62.85	62.84	62.81	62.83	62.90	62.94	63.00	63.04	63.02	63.05	63.02
Therm.	83°8	84°0	84°2	84°0	83°0	82°7	82°5	82°4	82°1	81°9	81°5	81°3

TERM-DAY OBSERVATIONS, ON THE 25TH OF NOVEMBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	22'923	22'032	21'895	21'826	21'345	20'522	21'276	21'963	22'168	22'512	23'130	23'540
5 0	22.444	22.032	21.963	21.895	21.276	20.659	21.208	22.032	22.168	22.444	23.267	23·609
10 0	22.444	21.895	22.032	21.551	21.139	20.728	21.345	22.032	22.237	22.444	23·473	23.677
15 0	22.512	21.826	22.032	21·551	20.933	20.865	21.345	22.101	22 237	22.581	23.473	23·746
20 0	22.512	21.826	21·895	21.619	20.522	21.002	21.415	22.101	22.168	22.581	23.677	23.816
25 0	22.444	21.895	21.895	21.482	20.385	21.002	21.482	22.101	22.168	22.718	23.677	23·746
30 0	22·444	21.895	21.963	21.415	20.728	20.933	21.619	22.101	22.237	22.787	23.677	23.816
35 0	22.374	21.963	21.758	21.551	20.659	20.933	21.688	22.101	22.237	22.787	23.746	23.884
40 0	22.374	21 963	21.688	21.619	20.522	21.071	21.758	22.101	22·305	22.854	23.746	23.953
45 0	22.237	21.895	21.963	21.415	20.659	21.071	21·758	22.237	22·305	22.923	23·746	23.884
50 0	22.168	21·963	21.895	21.482	20.728	21.071	21.826	22.237	22.374	22.991	23.746	23.816
55 0	22.168	21.963	21.619	21·345	20·728	21.276	21.826	22.237	22.374	23·060	23.746	23.816

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.25	19.36	19.52	19.65	19.86	20.12	20.30	20.43	20.45	20.40	20.02	19.50
7 0	19.18	19.37	19.51	19.61	19.95	20.08	20.35	20.46	20·45	20.37	20.02	19.45
12 0	19·24	19.40	19.52	19.68	19.93	20.05	20.36	20.48	20.43	20.36	19.95	19.48
17 0	19.30	19.41	19.52	19.65	19.88	20 06	20.38	20.48	20.42	20·32	19.89	19.50
22 0	19.32	19.41	19.55	19.66	20.03	20·06	20.38	20.48	20.44	20.26	19.78	19.50
27 0	19.28	19.45	19.57	19.68	19.97	20.10	20.39	20.48	20.45	20.23	19.66	19.45
32 0	19.26	19.46	19.58	19·69	19.99	20.12	20.40	20.47	20.43	20.19	19.64	19.39
37 0	19.24	19.45	19.57	19.71	20.05	20.16	20.40	20.47	20.44	20.15	19.60	19.32
42 0	19.25	19.48	19.63	19.72	19.08	20.20	20.40	20·50	20.43	20·12	19.57	19.28
47 0	19.25	19·49	19.56	19.82	19.13	20.25	20.41	20.47	20.42	20·12	19.56	19.29
52 0	19.30	19.50	19.58	19.88	19.10	20.25	20.44	20.47	20.42	20.09	19.51	19.30
57 0	19·34	19.52	19.62	19.90	19.05	20.24	20.42	20.45	20.40	20.04	19.50	19.25
Therm.	82°0	82°1	82°0	81°8	81°4	81°5	82°8	83°6	84°6	86°0	87°6	88°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	29.18	29.20	29.27	29.28	29.20	29.28	29.20	29 16	28.98	28.74	28.74	28.84
8 0	29.18	29.22	29.26	29.25	29.20	29.25	29.20	29.16	28.98	28.73	28.74	28.84
13 0	29.18	29.25	29.25	29.25	29.22	29.24	29.20	29.15	28.96	28.72	28.75	28.84
18 0	29.18	29.27	29.25	29.24	29.19	29.22	29.22	29.12	28.92	28.72	28.75	28.84
23 0	29.18	29.30	29.28	29.24	29.16	29.20	29.22	29.10	28.85	28.74	28.77	28.79
28 0	29.20	29.28	29.25	29.26	29.16	29.20	29.22	29.08	28.84	28.74	28.79	28.74
33 0	29.20	29.28	29.25	29.26	29.20	29.21	29.22	29.06	28.84	28.75	28.80	28.71
38 0	29.20	29.26	29.25	29.26	29.25	29.20	29.22	29.05	28.82	28.75	28.81	28.69
43 0	29.20	29.26	29.26	29.25	29.30	29·19	29.20	29.02	28.79	28.75	28.83	28.68
48 0	29.20	29.25	29.28	29.24	29.34	29.19	29.20	29.00	28.78	28.75	28.82	28.66
53 0	29.20	29.28	29.28	29.24	29.36	29.19	29.18	29.00	28.76	28.75	28.82	28.63
58 0	29.20	29.28	29.28	29.25	29.30	29.17	29.18	29.00	28.75	28.75	28.83	28.60
Therm.	83°1	82°6	82°5	82°5	82°3	82°0	82°2	82°7	83°3	84°3	85°9	86°9

TERM-DAY OBSERVATIONS, ON THE 25TH OF NOVEMBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	23'816	22'718	21'895	21'208	21'758	22'237	22'444	22'032	22'581	22'649	22'572	22'512
5 0	23.953	22.718	21.895	21.276	21.758	22.168	22.101	22.032	22.444	22.581	22·444	22·581
10 0	23.746	22.649	21.826	21.208	21.826	22.237	22.101	22.032	22.444	22.237	22·512	22·512
15 0	23.540	22.581	21.758	21.208	21.963	22.444	21.963	22.032	22.374	22.305	22·581	22·444
20 0	23.404	22.512	21.758	21.139	22.101	22.512	21.963	22.032	22.374	22.444	22·718	22·444
25 0	23.267	22.444	21.688	21.139	22.444	22.581	22.032	22.032	22.374	22.512	22·933	22·444
30 0	23.198	22.444	21.482	21.139	22.444	22.787	22.032	22.101	22.649	22.581	22·718	22.512
35 0	23.198	22.374	21.482	21.139	22.374	22.512	22.032	22·101	22.512	22.649	22·718	22·512
40 0	23.130	22.374	21.415	21.276	22.444	22.444	22.032	22.305	22.581	22.374	22·649	22·444
45 0	23.130	22.168	21.276	21.415	22.444	22.444	22.032	22.374	22.444	22.512	22.512	22·512
50 0	23.060	22.101	21.276	21.688	22.444	22.512	22.032	22.444	22.649	22.649	22·581	22·512
55 0	22.991	22.032	21.276	21.688	22.305	22.305	22.101	22.444	22.374	22.305	22·581	22·444

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.22	18.92	18.82	18.82	18.80	18.88	18.85	18·88	19.03	19.18	19.29	19.23
7 0	19.15	18.90	18.78	18.82	18.82	18.87	18.83	18.88	19.10	19.16	19.32	19.28
12 0	19.10	18.88	18.80	18.83	18.85	18.85	18.84	18.90	19.06	19.12	19.33	19.30
17 0	19.10	18.86	18·82	18.83	18.85	18.84	18.82	18.90	19.07	19.18	19.33	19·32
22 0	19.09	18.86	18.80	18.83	18.84	18.84	18.83	18.94	19.09	19.30	19.31	19.32
27 0	19.07	18.85	18.79	18.84	18.82	18.82	18.84	18.95	19.14	19.20	19.32	19.34
32 0	19.03	18.85	18.79	18.85	18.89	18.80	18.84	18.95	19.13	19.24	19.30	19.35
37 0	19.01	18.85	18.78	18.85	18.86	18.81	18.87	18.95	19.19	19.27	19.26	19.35
42 0	19.00	18.86	18.78	18.86	18.82	18.80	18.90	18.95	19.15	19.21	19.28	19.36
47 0	19.00	18.86	18.78	18.83	18.83	18.85	18.87	18.94	19.10	19.28	19.30	19·35
52 0	18.97	18.85	18.79	18.84	18.85	18.85	18.85	18.98	19.14	19.34	19.33	19.35
57 0	18.95	18.84	18.80	18.81	18.85	18.88	18.85	19.02	19.23	19.30	19.29	19.36
Therm.	89°3	89°1	88°1	86°9	85°2	84°7	84°0	83°9	83°0	82°6	82°5	82°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	28.56	28.35	28.23	28.32	28.65	28.80	28.83	28.80	28.98	29.02	29.05	29.19
8 0	28.55	28.36	28.25	28.34	28.65	28.83	28.78	28.80	28.90	29.03	29.04	29.20
13 0	28.51	28.36	28.22	28.42	28.67	28.84	28.78	28.80	28.94	29.04	29.04	29.22
18 0	28.50	28.35	28.22	28.43	28.70	28.85	28.80	28.80	28.95	29.04	29.10	29.20
23 0	28.50	28.34	28.23	28.45	28.72	28.85	28.80	28.82	28.95	29.05	29.16	29.20
28 0	28.46	28.32	28.24	28.45	28.73	28.85	28.82	28.84	28.96	29.07	29.15	29.20
33 0	28.42	28.30	28·25	28.48	28.73	28.86	28.84	28.87	28.96	29.06	29.17	29.22
38 0	28·42	28.29	28.26	28.50	28.74	28.86	28.83	28.88	28.98	29.05	29.16	29.22
43 0	28.40	28.28	28.27	28.52	28.76	28.87	28.83	28.92	28.98	29.05	29.18	29.23
48 0	28.38	28.25	28.28	28.56	28.79	28.86	28.82	28.92	29.00	29.03	29.16	29.23
53 0	28.36	28.25	28.30	28.58	28.80	28.85	28.82	28.95	29.00	29.04	29.16	29.25
58 0	28.36	28.24	28.32	28.65	28.80	28.85	28.80	28.98	29.02	29.06	29.20	29.25
Therm.	87°5	87°9	87°9	87°0	86°0	85°5	85°0	84°5	84°1	83°6	83°2	83°3

TERM-DAY OBSERVATIONS, ON THE 21ST OF DECEMBER 1859.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	23'130	22'444	21'758	21'551	21'139	21'071	21'895	22'444	23'473	24'159	23'884	24'226
5 0	23.130	22.512	21.758	21.619	21.276	21.276	21.963	22.444	23.540	24.159	33.884	24.090
10 0	22.789	22.787	21.688	21.415	21.139	21.208	21.758	22.923	23.609	24.159	23.884	24.090
15 0	23.060	22.305	21.688	21.551	21.139	21.002	22.032	22.444	23.609	24.090	23.953	24.295
20 0	22.718	22.649	21.415	21.345	21.071	21.071	22.168	22.991	23.746	24.021	24.021	24.432
25 0	22.512	22.444	21.551	21.415	21.071	21.071	22.101	23.060	23.746	23.953	24.021	24.432
30 0	22.923	22.237	21.345	21.415	21.002	21.139	22.101	23.130	23.816	23.953	24.021	24.363
35 0	22.787	22.168	21.415	21.415	21.002	21.208	22.101	23.130	23.884	23.884	24.090	24.295
40 0	22.649	22.305	21.551	21.415	21.796	21.415	22.168	23.335	23.884	23.884	24.159	24.363
45 0	22.991	21.963	21.619	21.208	21.728	21.688	22.237	23.404	23.884	23.884	24.090	24.226
50 0	22.991	21.758	21.758	21.071	21.590	21.758	22.374	23.473	24.090	23.884	24.159	24.295
55 0	22.512	21.688	21.482	21.139	21.071	21.758	22.374	23.473	24.159	23.884	24.226	24.236

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.86	20.05	20.20	20.40	20.52	20.48	20.67	20.81	20.67	20.40	19.98	19.93
7 0	19.85	20.10	20.18	20.35	20.55	20.50	20.65	20.75	20.67	20.33	19.96	20.05
12 0	19.98	20.03	20.15	20.40	20.56	20.50	20.73	20.65	20.66	20.30	19.94	20.05
17 0	19.98	20.05	20.12	20.38	20.63	20.55	20.79	20.65	20.62	20.25	19.90	20.01
22 0	19.92	20.10	20.13	20.40	20.56	20.52	20.76	20.68	20.62	20.20	19.89	19.95
27 0	19.91	20.10	20.18	20.45	20.58	20.64	20.80	20.70	20.57	20.17	19.88	19.91
32 0	19.93	20.07	20.26	20.42	20.62	20.61	20.80	20.70	20.52	20.12	19.85	19.84
37 0	20.00	20.05	20.28	20.47	20.62	20.61	20.80	20.69	20.49	20.11	19.82	19.80
42 0	19.91	20.13	20.30	20.40	20.60	20.62	20.80	20.68	20.47	20.10	19.79	19.76
47 0	20.00	20.17	20.28	20.60	20.58	20.63	20.81	20.69	20.44	20.08	19.78	19.72
52 0	19.95	20.18	20.34	20.50	20.53	20.64	20.83	20.69	20.41	20.06	19.75	19.66
57 0	20.03	20.20	20.40	20.51	20.51	20.64	20.83	20.68	20.41	20.02	19.76	19.58
Therm.	75°5	75°3	75°0	74°3	74°5	74°5	75°5	76°9	78°2	79°5	80°8	82°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	34.12	34.20	34.21	34.26	34.29	34.35	34.35	34.50	34.51	34.36	34.22	33.98
8 0	34.12	34.21	34.23	34.26	34.30	34.35	34.36	34.50	34.45	34.34	34.20	33.85
13 0	34.12	34.21	34.20	34.26	34.32	34.36	34.37	34.51	34.45	34.33	34.22	33.85
18 0	34.12	34.21	34.20	34.28	34.30	34.38	34.40	34.51	34.43	34.30	34.22	33.88
23 0	34.12	34.21	34.19	34.30	34.28	34.38	34.44	34.51	34.44	34.30	34.20	33.88
28 0	34.13	34.21	34.25	34.32	34.27	34.35	34.43	34.50	34.42	34.30	34.19	33.86
33 0	34.13	34.20	34.24	34.31	34.26	34.35	34.43	34.50	34.42	34.28	34.16	33.84
38 0	34.15	34.20	34.24	34.31	34.24	34.36	34.45	34.50	34.42	34.27	34.15	33.80
43 0	34.18	34.21	34.24	34.31	34.32	34.40	34.47	34.50	34.40	34.23	34.14	33.75
48 0	34.20	34.21	34.24	34.30	34.34	34.38	34.49	34.50	34.40	34.23	34.13	33.74
53 0	34.20	34.21	34.25	34.28	34.34	34.36	34.50	34.50	34.40	34.22	34.08	33.74
58 0	34.20	34.21	34.25	34.30	34.35	34.36	34.50	34.50	34.37	34.22	34.05	33.74
Therm.	76°0	76°0	75°5	75°0	75°0	74°8	74°9	75°6	76°2	77°3	78°4	79°4

TERM-DAY OBSERVATIONS, ON THE 21ST OF DECEMBER 1859.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	24·090	22·718	22·101	22·237	22·581	22·923	22·991	23·677	23·677	23·130	23·267	23·267
5 0	24·090	22·649	22·032	22·305	22·512	22·718	23·060	23·473	23·609	23·198	23·267	23·198
10 0	23·953	22·444	22·305	22·374	22·581	22·787	22·991	23·540	23·746	23·198	23·130	23·198
15 0	23·884	22·374	22·305	22·168	22·718	22·787	22·991	23·540	23·884	23·130	23·130	23·130
20 0	23·816	22·374	22·237	22·101	22·787	22·923	23·060	23·473	23·953	22·718	23·198	23·060
25 0	23·746	22·374	22·101	22·101	22·854	22·991	23·335	23·404	23·816	23·404	23·130	23·130
30 0	23·609	22·374	22·168	22·032	22·923	23·060	23·404	23·404	23·746	23·404	23·130	23·198
35 0	23·473	22·305	22·237	22·032	22·991	23·130	23·473	23·473	23·677	22·854	23·198	23·267
40 0	23·335	22·305	22·168	22·168	23·060	23·198	23·473	23·473	23·267	22·787	23·130	23·404
45 0	23·130	22·237	22·101	22·305	23·060	23·198	23·540	23·540	23·473	23·060	23·130	23·198
50 0	22·991	22·237	22·168	22·374	23·130	23·130	23·540	23·677	23·404	23·540	23·198	23·060
55 0	22·787	22·101	22·168	22·305	23·130	23·060	23·609	23·746	23·404	23·198	23·198	22·991

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19·57	19·51	19·55	19·81	19·55	19·48	18·99	18·97	19·18	19·62	19·72	19·76
7 0	19·56	19·51	19·65	19·76	19·60	19·41	18·98	19·00	19·20	19·60	19·80	19·82
12 0	19·52	19·52	19·61	19·72	19·57	19·32	18·90	18·99	19·27	19·62	19·72	19·77
17 0	19·46	19·54	19·58	19·68	19·51	19·34	18·86	18·95	19·30	19·65	19·65	19·78
22 0	19·45	19·52	19·58	19·69	19·50	19·34	18·83	18·95	19·30	19·69	19·68	19·80
27 0	19·45	19·51	19·60	19·63	19·46	19·30	18·84	19·02	19·37	19·65	19·72	19·79
32 0	19·46	19·52	19·58	19·60	19·48	19·26	18·93	18·93	19·52	19·69	19·71	19·80
37 0	19·48	19·53	19·60	19·61	19·41	19·20	18·85	19·00	19·47	19·68	19·71	19·82
42 0	19·49	19·55	19·68	19·55	19·39	19·18	18·88	19·00	19·46	19·69	19·75	19·85
47 0	19·50	19·56	19·71	19·53	19·39	19·17	18·90	19·03	19·50	19·66	19·73	19·88
52 0	19·51	19·58	19·80	19·52	19·49	19·16	18·85	19·05	19·55	19·70	19·72	19·89
57 0	19·52	19·58	19·85	19·58	19·52	19·05	18·91	19·08	19·55	19·60	19·76	19·92
Therm.	83°0	83°2	82°6	81°2	80°0	79°0	78°7	78°4	77°2	76°9	77°0	76°8

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	33.72	33.49	33·44	33.50	33.75	33.85	33.95	34.08	34.00	34.15	34.25	34.35
8 0	33.70	33.46	33.41	33.52	33.74	33.82	33.98	34.08	34·05	34.20	34.38	34.35
13 0	33.69	33.43	33.42	33.55	33.78	33·92	33.98	34·08	34·07	34·20	34.38	34.35
18 0	33·62	33.42	33.42	33.58	33.82	33.90	33.98	34.05	34.08	34·22	34.38	34.34
23 0	33.60	33.42	33.45	33.59	33.82	33.95	33.99	34.02	34·09	34.22	34.35	34.34
28 0	33.60	33.43	33.44	33.60	33.82	33.95	33.99	34.02	34·07	34.22	34.31	34.34
33 0	33.60	33.44	33.45	33.60	33.83	33.95	33.97	34.02	34.05	34.22	34.35	34.34
38 0	33.60	33.44	33.47	33.60	33.85	33.95	33·96	34.00	34·10	34.16	34.35	34.33
43 0	33·56	33.45	33.44	33.62	33.86	33.95	23.97	34.00	34.09	34.17	34.35	34.33
48 0	33.52	33.45	33.47	33·72	33.88	33·95	33.97	34.00	34.10	34.18	34.36	34.34
53 0	33.52	33.45	33.45	33.72	33.88	33·94	33.96	34·02	34.09	34.19	34.36	34.35
58 0	33.52	33.45	33.50	33.76	33.85	33.95	33.96	34·02	34.10	34.19	34.35	34.35
Therm.	80°1	81°0	81°0	80°9	80°0	79°0	78°7	78°7	78°2	77°6	77°6	77°1

REGISTER OF DISTURBANCE OBSERVATIONS.

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
JAN. 10TH.	4.00	22·101	19·69	17.57	27.15	79°0	77°5	50.45	79°2
	4.15	21.826	19.59	17.66	27.30	79.0	77.4	50.40	79.1
	4.30	21.826	19.38	17.61	27.20	78·9	77.3	50.45	79.0
	4.45	21.345	19.02	17.49	27.09	78.9	77·1	50·38	79.0
	5.00	21.208	19.28	17.78	27.60	78.8	77.0	50.38	78.9
	5.15	21.826	19.69	18.37	28.52	78.6	76.9	50.21	78.9
	5.30	21.619	19.28	19.13	29.50	78.2	76.5	50.15	78.7
	5.45	24.688	19.33	18.95	29.12	78.0	76·2	50.30	78.6
	6.00	21.551	19.43	18.51	28.40	77.9	76.0	50.38	78.5
	6·15	21.963	19.28	18.38	28.35	77.8	76.0	50.32	78.3
	6.30	21.482	18.65	18·38	28.37	77.6	75.9	50.33	78.2
	6.45	21.415	18.91	18.44	28.40	77.4	75.8	50.30	78.1
	7.00	21.276	18.91	18.51	28.49	77·2	75.7	50.40	78.0
	7.15	21.208	18.79	18.68	28.69	77.1	75.6	50.38	78.0
	7.30	21.071	18.60	18.75	28.54	77.0	75.5	50.24	77.9
	7.45	20.933	18.65	18.69	28.66	77.0	75.0	50.25	77.8
	8·00	20.865	18.60	18.70	28·70	76.9	75.0	50.26	77.7
FEB. 23RD.	8.00	20.453	18.34	20.16	29.92	75·8	74.0	52.35	76.6
	8.15	21.482	19.28	19.60	29.45	75.8	74.0	52·50	76.6
	8.30	22.444	20.22	19.37	29.15	75.7	73.7	52·70	76.5
	8.45	22.718	20.43	18.67	28.52	75·6	73.7	52.83	76.4
	9.00	23.060	20.79	18.56	28.43	75.6	73.6	52.76	76·4
	9.15	23.060	20.33	18.87	28.87	75.4	73·5	52.66	76.3
	9.30	22.374	19.81	18.56	29.29	75.4	73.4	52.66	76.1
	9.45	22.374	20·07	18.33	28.30	75.2	73·2	52.61	76.0
	10.00	22.101	19.54	18.48	28·55	75.2	73.0	52.50	76·0
	10·15	22.032	20.01	18.62	28.65	75.0	72.7	52.51	75.9
	10.30	22.305	20.07	18.57	28.53	74.9	72·4	52·54	75.8
	10.45	22.168	19.74	18·48	28.49	74.8	72.2	52.58	75.7
	11.00	21.619	19.02	18.61	28.77	74.7	72.0	52.53	75.5
	11.15	21.208	18.76	18.87	29.00	74.6	72.0	52.52	75.3
	11.30	20.933	18.65	19.39	29.58	74·4	71.9	52.51	75.1
	11.45	21.071	18.76	19·18	29.33	74.2	71.8	52.62	75.0
	12.00	21.276	19.28	19.08	29.05	74.1	71.4	52.75	75.0
	12.15	21.139	19.17	19.14	29.02	74.0	71.2	52.78	75.0
	12.30	21.482	19.28	19.02	28.97	74.0	71·2	52.83	74.9
	12.45	21.415	19.28	19.00	29.02	73.9	71·1	52.82	74.6
	13.00	21.276	19.17	19.07	29.10	73.9	71.1	52.85	74.6
	13.15	21.139	18.76	19.16	29.15	73.9	71.0	52.85	74.6
	13·30	20.933	18.44	19.16	29.15	73.9	71.0	52.72	74.6
	13.45	20.728	18.34	19.23	29.22	73.9	71.0	52.80	74.6
	14.00	20.933	18.50	19.26	29.25	73.9	70·9	52.95	74.6
	14.15	20.522	18.29	19.29	29.30	73.8	70.8	53.00	74·5
	14.30	21.071	18.65	19.40	29.45	73.6	70.8	53.00	74.5

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Feb. 23rd.	14.45	20·933	18·86	19.26	29.50	73·7	70·9	52.98	74·4
	15.00	21.415	19.12	19.38	29.52	73.7	70.8	53.17	74.2
	15.15	21.688	19.48	19.45	29.60	73.6	70.7	53.12	74.2
	15.30	21.728	19.81	19.67	29.78	73.6	70.8	53.12	74.2
	15.45	21.963	19.96	19.69	29.82	73·6	70.8	53.22	74.2
	16.00	22.237	20.59	19.79	29.90	73.8	70.8	53.15	74.2
	16.15	23.473	21.11	19.82	29.96	74.2	71.0	53.20	74.2
	16.30	23.404	20.95	20.00	30.20	74.4	71.2	53.10	74.2
	16.45	23.267	20.85	20.10	30.22	74.7	71.6	52.90	74.5
	17.00	23.404	21.26	19.78	29.80	75.0	71.8	53.00	74.8
	17.15	23.335	21.11	19.76	29.76	75.4	72.0	52.88	75.0
	17.30	23.130	20.85	19.89	30.05	75.8	72.1	52.70	75.2
	17.45	22.649	20.33	19.92	30.07	76.2	72.2	52.50	75.4
	18.00	22.649	20.33	19.85	30.00	76.8	72.3	52.45	75.6
	18.15	22.444	20.12	19.79	29.96	77.0	72.8	52.45	75.9
	18.30	22.305	19.81	19.70	29.90	77.2	73.1	52.40	76.2
	18.45	21.963	19.69	19.75	29.91	77.3	73.3	52.37	76.2
	19.00	21.619	19.69	19.71	29.88	77.7	73.9	52.32	76.3
	19.15	21·619	19.38	19.66	29.76	77.9	74.0	52.28	76.6
	19.30	21.826	19.59	19.45	29.56	78.0	74.2	52.30	77.0
	19.45	21.551	19.28	19.36	29.46	78.2	74.5	52.22	77.1
	20.00	21.415	19.07	19.30	29.35	78.4	75.2	52.20	77.2
	20.15	21.276	18.86	19.15	29.15	78.6	75·6	52·12	77.4
	20.30	21.276	18.86	19.07	29.07	78.7	75.8	52.10	77.5
	20.45	21.208	18.76	18.93	28.90	78.9	76.0	52.10	77.8
	21.00	21.208	18.76	18.72	28·64	79.0	76.0	52.10	78.0
	21.15	20.933	18.76	18.60	28.48	79.0	76.1	52.04	78.0
	21.30	20·933	18.70	18.49	28.40	79.1	76.4	52.02	78.1
	21.45	21.002	18.70	18.36	28.26	79.4	77.0	52.04	78.4
	22.00	21.276	19.12	18.23	28.08	79.5	77.0	52.05	78.7
	22.15	21.345	19.22	18.10	28.00	79.7	77.2	52.09	78.9
	22.30	21·551	19.28	18.05	28.00	79.7	77.3	52 10	78.9
	22.45	21.551	19.38	18.02	27.96	79.8	77·3	52.12	79.0
	23 00	22.237	20·07	17.88	27.76	79.9	77.2	52.15	79.0
	23·15	22.444	20.27	17.76	27.69	79.9	77.2	52·10	79.0
	23.30	22.512	20.27	17.58	27.56	79.9	77·2	52.09	79·0
	23.45	22.649	20.53	17·46	27·40	79.9	77·2	52.06	79.0
Feb. 24th.	0.00	22.923	20·74	17.39	27.39	79.8	77.2	52.05	79.0
	0.15	22.787	20.53	17.23	27.27	79.6	77.1	51.95	79.0
	0.30	22.237	20 12	17·22	27.28	79·5	77.1	51.99	79.0
	0.45	21.963	19.43	17.24	27.30	79·2	77.0	51.98	79.0
	1.00	21.619	19.28	17.30	27.30	79·1	76.8	52.00	79.0
	1.15	21.551	19.28	17.25	27.25	78.8	76·5	52·00	78.8
	1.30	21·963	19.81	17.27	27.32	78.6	76.2	52.20	78.7
	1.45	22.237	20.33	17.32	27.35	78.4	76.2	52.30	78.5
	2.00	23.198	20.85	17.38	27.50	78.4	76.1	52.40	78.5
	2.15	22.649	20.59	17.58	27.70	78.1	76.0	52.40	78.4
	2.30	22·787	20.59	17.70	27.82	78.0	76.0	52.48	78.3
	2.45	23.130	20.78	17.82	27.98	77.8	76.0	52.62	78.2
	3.00	23.060	20.59	17.70	27.80	77.6	76.0	52.65	78.1
	3.15	22.923	20.59	17.64	27.72	77.6	76.0	52.70	77.9
	3.30	22.923	20.59	17.55	27.63	77.5	76·0	52.72	77.7
	3.45	22·854	20·48	17.52	27.56	77.5	76.0	52.70	77.7
	4.00	22.854	20·43	17.50	27.55	77.5	76.0	52.70	77.7
	4.15	22.854	20.43	17·60	27.66	77.4	76.0	52.73	77.6
	4.30	22.854	20.48	17.58	27.65	77.3	76·0	52.75	77.6
	4.45	22.923	20.74	17.78	27.80	77.2	75·9	52.70	77.6
	5.00	23.198	20.85	17.80	27.80	77.2	75.8	52.72	77.6

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometer.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Feb. 24th. 5.15	23'198	20'85	17.60	27.60	77°2	75°8	52.76	77°6
5.30	23.060	20.59	17.70	27.69	77.2	75·8	52.75	77.6
5.45	23.060	20.81	17.66	27.67	77.2	75.8	52.75	77.6
6.00	23.540	21.38	17.77	27.80	77.2	75.8	52.80	77.6
6.15	23.473	20.95	17·95	28.02	77.2	75.8	52.78	77.6
6.30	22.854	20.43	18.22	28.18	77.2	75·8	52.65	77.5
6.45	22.444	20·33	18.25	28.24	77.2	75·7	52·68	77·5
7.00	22.649	20.59	18.35	28.36	77.1	75.6	52.72	77.4
7.15	22.718	20.59	18.45	28.40	77.0	75.6	52.70	77.4
7.30	22.923	20.74	18.35	28.35	77.0	75.6	52.72	77·3
7.45	22.787	20.59	18.43	28·40	77.0	75.5	52.65	77.3
8.00	23.130	20.85	18.41	28.40	76·9	75.4	52.70	77.2
8.15	23.404	21.05	18.45	28·43	76.8	75.4	52.78	77.2
8.30	23.307	21.00	18.46	28.44	76·7	75.3	52.76	77.1
8.45	23·060	20.79	18.48	28.45	76.6	74.2	52.74	77.1
9.00	22.718	20.59	18.48	28·49	76.6	75.0	52.65	77.0
9.15	22.305	20.07	18.54	28.56	76.5	74·9	52.62	77.0
9.30	22.168	19.86	18.60	28.64	76.5	74.6	52·60	76·9
9.45	21.895	19.54	18.67	28.69	76.4	74.5	52.60	76.9
10.00	21.826	19.48	18.80	28.85	76.3	74.4	52.70	76.9
10.15	21.758	19·48	18.84	28.89	76.3	74.3	52.73	76.9
10.30	21.688	19.38	18.89	28.94	76.2	74.2	52 75	76.7
10·45	21.619	19.34	18.90	28.98	76.1	74·1	52.78	76.6
11.00	21.619	19.34	18.90	29.00	76.0	74.0	52.81	76.5
11.15	21.619	19.28	18.91	29.35	76.0	74·0	52.80	76.4
11.30	21.619	19.17	18.92	29·49	76.0	74.0	52.75	76 3
11.45	21.619	19.02	18.93	29.54	76·0	74·0	52.79	76.2
12.00	21.619	18.81	18.95	29.60	75.9	74.0	52·78	76.1
12.15	21.415	18.81	18.97	29.52	75.7	73.5	52.72	76.2
12.30	21.276	18.64	19.03	29.60	75.7	73.5	52.74	76.2
12.45	21.071	18.55	19.06	29.65	75.7	73.5	52.77	76.2
13.00	20.933	18.34	19.10	29.65	75.8	73.5	52.75	76.2
13.15	20.796	18.24	19.13	29.67	75.8	73.5	52.75	76.2
13.30	20.453	18.13	19.20	29.76	75.9	73.5	52·75	76.3
13.45	20.385	17·98	19.25	29.85	75.9	73.5	52.75	76.3
14.00	20.316	17.72	19.36	30.05	75.9	73.5	52.72	76.3
14·15	20.110	17.65	19.42	30.15	75.9	73.5	52.68	76.3
14.45	20.042	17.65	19.30	30.05	75.8	73.4	52.75	76.1
15.00	20.042	17.65	19.32	30.05	75.8	73.4	52.70	76.1
15.15	20.042	17.60	19.28	30.00	75.9	73.4	52.70	76.1
15.30	20.042	17.60	19.25	30.03	76.0	73.5	52.65	76.1
15·45	19·561	17.19	19.25	30.10	76.2	73.5	52.55	76.2
16.00	19·356	17.08	19.35	30.25	76.3	73.5	52.62	76.2
16.15	19·287	17·19	19.42	30·30	76.5	73·7	52.70	76.2
16.30	19·424	17.29	19.38	30.22	76.7	73.9	52.68	76.3
16.45	19.424	17.29	19.12	29·90	77.0	74.0	52.80	76.4
17.00	19.356	17.19	19.06	29.88	77.2	74.0	52.75	76.5
17.15	19.150	16.87	19.20	30.10	77.6	74.1	52.65	76.8
17.30	19.150	16.87	19.26	30.16	77.8	74.2	52.60	77.0
17.45	19.356	17.19	19.18	30·10	78.1	74.6	52·66	77.2
18.00	19.561	17.45	19.05	29·96	78.4	74.7	52.66	77.4
18·15	19.561	17.19	19.04	29.92	78.5	75.0	52.60	77.5
18.30	19.493	17.19	19.00	29·85	78.6	75.4	52.55	77.5
18.45	19.836	17.19	19.90	29·66	79.5	76.0	52.45	78.2
19.00	19.150	16.93	18.92	29.70	79.8	76.2	52.45	78.4
19.15	18.807	16.67	18.95	29.72	80.0	76.4	52.40	78.7
19.30	18.738	16.67	18·95	29.72	80.2	76.4	52.35	78.8
20.00	18.738	16.56	18.84	29.60	80.5	77.0	52.38	79.1
20.15	18.875	16.67	18.75	29.51	80.7	77.3	52.36	79.1
20.30	19.013	16.93	18.66	29·45	80.9	77·8	52.35	79.2

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Feb. 24th.	21.00	19'093	16'93	18.73	29.52	81°1	78°1	52.35	79°9
	21·15	18.532	16.67	18.77	29.60	81·6	78.3	52.31	80.1
	21.30	18.532	16.56	18.77	29.66	81.9	78.7	52.20	80.2
	21.45	18.532	16.56	18.82	29.70	82.0	79·0	52.25	80.4
	22.00	18.532	16.41	18.79	29.70	82.0	79·1	52.28	80.6
	22·15	18.875	16.72	18.74	29·70	82·1	79.1	52.25	81.0
	22.30	19.013	16.72	18.76	29.74	82.1	79.1	52.27	81.0
	22.45	19.150	16.93	18.79	29.80	82.1	79.2	52.28	81.0
	23.00	19.493	17.95	18.67	29.63	82.2	79.6	52.25	81.1
	23.15	19.767	17.72	18.56	29.51	82.3	79.9	52.22	81.5
	23.30	20.110	17.87	18.38	29.35	82.3	80.0	52.19	81·8
	23.45	20.316	18.03	18·34	29.29	82.2	80.0	52.14	81.6
Feb. 25th.	0.00	20.247	17.92	18.25	29.26	82.0	80·0	52.10	81.5
	0.15	20.247	17.98	18.20	29·26	82.0	80.0	52.05	81.3
	0.30	20·110	17.82	18.16	29.20	81.8	79.8	52.00	81.3
	0.45	20.247	17.98	18.16	29·20	81.7	79.8	52·00	81.4
	1.00	20.179	17.82	18.16	29.20	81.4	79·6	52.00	81.2
	1.15	20.179	17.82	18.08	29.05	81.2	79.6	52.05	81·0
	1.30	20.247	17.98	18.10	29.06	81.0	79.5	52.10	81.0
	1.45	21.139	18.24	18.10	29.06	80.8	79.4	52.18	80.8
	2.00	20.453	18.24	18.05	29.06	80.5	79.0	52.30	80.6
	2.15	20.865	18.50	18.04	29.05	80.5	78·8	52·30	80.6
	2.30	20.865	18·50	18.05	29.06	80.4	78.8	52·28	80.4
	2.45	21.139	18.86	18.05	29·06	80.2	78.5	52.26	80.3
	3.00	21·276	19.02	18.06	29.06	80·0	78.5	52.30	80.2
	3.15	21.345	19.07	18.00	29.00	79.8	78.3	52·25	80.0
	3.30	21.345	19.07	18.00	29.00	79.7	78.2	52.36	80.0
	3.45	21.619	19.17	18.00	29.00	79.7	78.1	52.50	80.0
	4.00	21.551	19.17	18.00	28.96	79.5	78.0	52.60	79.8
	4.15	21.551	19.17	18.00	28.98	79.5	78.6	52.55	79.8
	4.30	21.688	19.22	17.95	28.90	79.4	78.5	52.45	79.8
	4.45	21.688	19.22	18.01	28.95	79.2	78.5	52.50	79.7
	5.00	21.758	19.28	18.01	28.96	79.2	78.4	52.50	79.6
	5.15	21.758	19.28	18.02	28.96	79·2	78.4	52.50	79.6
	5.30	21.758	19.43	18.05	28.96	79.1	78.2	52.52	79.6
	5.45	21.826	19.54	18.08	28.98	79.0	77.9	52·50	79.5
	6.00	21.688	19.33	18.12	28.96	78.9	77.6	52.55	79.5
	6.15	21.619	19.17	18.28	29.10	78.8	77·4	52.58	79.4
	6.30	21.826	19.54	18.40	29.25	78.8	77.3	52.60	79·4
	6.45	21.758	19.33	18.48	29.30	78.7	77.2	52.62	79·3
	7.00	21.758	19.54	18.56	29.35	78.6	77.2	52.65	79.3
	7.15	21.482	19.17	18.85	29.55	78.5	77.1	52·66	79.2
	7.30	21.551	19.22	18.96	29.75	78.3	77.1	52.65	79.1
	7.45	21.551	19.22	19.05	29.84	78·2	77.1	52.65	79.0
	8.00	21.551	19.25	19.10	29.85	78.2	77·1	52.72	78.8
Feb. 26th.	10.00	23.198	20.64	17.70	28.68	80.0	78.9	52.70	80.3
	10.15	23.130	20.64	17.70	28.68	80.0	78.7	52·57	80.3
	10.30	23.060	20.56	17.74	28.74	80.0	78.6	52.48	80.3
	10.45	22.787	20.43	17.79	28.79	80·0	78.4	52.45	80.2
	11.00	22.512	20.38	17.91	28.90	80.0	78.3	52.35	80.1
	11.15	22.374	20.27	17.92	28.89	79.9	78·2	52.27	80.1
	11.30	22.101	20.01	17.89	28.86	79.8	78.1	52·15	80·0
	11.45	21.826	19.69	17.90	28.88	79·8	78.1	52.16	80.0
	12.00	21.688	19.48	17.90	28.90	79.7	78.0	52.18	80.0
	12.15	21.482	19.02	18.00	29.10	79.8	78.0	52.20	80.0
	12.30	21.415	19.02	18.10	29.12	79.6	78.0	52.30	80.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Feb. 26th.	12.45	21·415	18·91	18.18	29.20	79°4	77°9	52·40	79°8
	13.00	21.415	18.91	18.16	29·16	79.2	77.8	52.60	79.8
	13.15	21.415	18.91	18.16	29.16	79.2	77.8	52.60	79.8
	13.30	21.139	18.65	18.16	29.15	79.2	77.7	52.45	79.6
	13.45	20·865	18.55	18.18	29·16	79.1	77.7	52·20	79.6
	14.00	21.071	18.60	18.23	29.22	79.0	77.5	52.22	79.6
	14.15	21.071	18.60	18.25	29.22	79.0	77.5	52.22	79·6
	14.30	20.590	18.50	18.36	29.30	78.8	77.4	52.24	79.4
	14.45	20.796	18.60	18.45	29.40	78.8	77.3	52.20	79.2
	15.00	20.728	18.34	18.55	39.48	78.8	77.2	52.12	79.2
	15.15	20.247	18.13	18.63	29.66	79.0	77.0	52.15	79.2
	15.30	20.453	18.39	18.56	29.63	79.2	77.0	52.20	79.2
	15.45	20.316	18.24	18.70	29.86	79.3	77.2	52.20	79.2
	16.00	20.042	18.13	18.83	29·94	79.5	77.2	52.20	79.3
	16.15	20.316	17.98	18.78	30.05	79.6	77.3	52.22	79·4
	16.30	20.316	17.98	18.87	30.08	79.9	77.5	52.25	79.7
	16.45	20.316	17.98	19.00	30.20	80·2	77·6	52.22	79.8
	17.00	20.179	17.98	19.08	30.30	80.5	77.8	52.15	80.0
	17.15	20.042	17.98	19.09	30.35	80.6	77.9	52·15	80.0
	17.45	20.388	17.98	19.15	30·50	81.4	78.2	52.05	80.5
	18·00	20·110	17.98	19.15	30·52	81.6	78.5	52.05	80.6
	18.15	20.110	17.98	19.15	30.60	81.8	78.6	52.02	80·8
	18.30	19.973	17.72	19·20	30.68	81.9	78.7	52.00	80.9
	18.45	19.973	17·72	19.25	30.72	82.1	78.9	52.12	81.2
	19.00	19.836	17.70	19.33	30.85	82.4	79.1	51.98	81.3
	19.15	19.836	17.70	19.30	30.75	82.7	79.3	51.98	81.6
	19.30	19.904	17.70	19.32	30.80	82.8	79.4	51.98	81.8
	19.45	19.836	17.70	19.24	30.75	82·9	79.5	52.00	81.9
	20.00	19.973	17.98	19.23	30.65	83.0	79.7	52.02	82.1
	20.15	20.385	18.34	19.10	30.64	83.2	80·0	52.02	82.3
	20.30	20.385	18.34	19.06	30.46	83.5	80.2	52.05	82·3
	20.45	20.247	18.24	19.02	30.44	83.7	80.4	52.02	82.5
	21.00	20.522	18.50	18.93	30.30	83.8	80.6	51.95	82.8
	21.15	21.002	18.86	18.80	30.17	83.9	80.8	51.99	82.9
	21.30	21.071	18.86	18.75	30.16	83.9	80.8	52.00	83.0
	21.45	21.139	18.86	18.80	30·14	83.9	80.9	52.03	83.0
	22.00	21.276	19.17	18·60	30.10	84.0	80.9	52.01	83.0
	22.15	21.345	19.22	18·59	30.10	83.9	80.9	52.00	83.1
	22.30	21.415	19.28	18.60	30.10	83.9	80.9	51.85	83.1
	22.45	21.415	19·22	18.60	30.14	83.9	80.8	51.85	83.2
	23.00	21.415	19.22	18·57	30.02	83.9	80.9	51.85	83.3
	23.15	21.345	19.22	78·55	30.00	84.0	80.9	51.80	83.4
	23.30	21.415	19.77	18.55	29·94	83.9	80.8	51.75	83.5
	23.45	21.345	19.38	18.51	29·83	83.8	80.8	51.65	83.7
Feb. 27th.	0.00	20.865	19.17	18.44	29.64	83.6	80.8	51.56	83.8
	0.15	21.139	18.76	18.20	29.55	83.6	80.8	51.56	83.6
	0.30	20.933	18.76	18.20	29.50	83.2	80.8	51.56	83.4
	0.45	20.865	18.55	18·15	29.45	83.1	80.5	51.58	83.1
	1.00	20.728	18.50	18.12	29.40	83.0	80.2	51.58	83.0
	1.15	20.659	18.39	18.07	29.32	82.8	80.2	51.60	82.8
	1.30	20.590	18.34	18.07	29.30	82.7	80.0	51.70	82.8
	1.45	20.728	18.50	17.95	29.20	82.4	80.0	51.78	82.6
	2.00	20.865	18.55	17.82	29.05	82.2	80.0	51.92	82.4
	2.15	21.071	18.08	17.78	29·00	82.0	80.0	52.00	82.3
	2.30	21.415	19·02	17.70	28.90	81.8	79.9	52.12	82.2
	2.45	21.482	19.07	17.60	28.80	81.7	79.7	52.15	82.0
	3.00	21.619	19.28	17·52	28.72	81.6	79.5	52.12	81.8
	3.15	21.415	19.07	17·46	28.65	81.5	79.5	52.10	81.6

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Feb. 27th.	3.30	21·415	19·07	17·36	28.55	81°4	79°4	52.08	81°5
	3.45	21.415	19.07	17.36	28.55	81.3	79.3	52.08	81.4
	4.00	21·688	19.54	17.10	28.25	81.2	79.2	52.12	81.4
	4.15	21.758	19.54	17.40	28.65	81.2	79.2	52.15	81.4
	4.30	22.168	20.07	17.57	28.75	81.1	79.2	52.18	81.4
	4.45	22.101	20.07	17.76	28.95	81.0	79.2	52.12	81.4
	5.00	21.619	19.28	17.95	29.10	81.0	79.2	52.05	81.3
	5.15	21.415	19.07	18.04	29.15	81.0	79.2	52.05	81.3
	5.30	21.276	18.98	18.15	29.24	81.0	79.2	52.00	81.3
	5.45	21.276	18.86	18.16	29.36	80.9	79.2	52.02	81.3
	6.00	21.276	18.86	18.16	29.33	80.8	79.1	52.1	81.2
	6.15	21.139	18.76	18.16	29.40	80.7	79.0	52.15	81.2
	6.30	21.139	18.76	18.10	29.40	80.7	79.0	52.00	81.2
	6.45	21.139	18.91	18.20	29.40	80.5	78.8	52.00	81.0
	7.00	21.139	18.96	18·25	29.40	80.4	78.8	52.00	81.0
	7.15	21.208	19.02	18.20	29.36	80.4	78.8	52.08	80.8
	7.30	21.276	19.07	18.24	29.40	80·2	78·7	52.08	80.8
	7.45	21.276	19.07	18.27	29.45	80.2	78.6	52.05	80.8
	8.00	21.345	19.12	18.23	29.40	80.2	78.4	52.05	80.8
	8.15	21.345	19.07	18.29	29.44	80.1	78.4	52.05	80.7
	8.30	21·208	19.07	18.34	29·48	80·0	78.2	52.04	80.7
	8.45	21.208	19.07	18.38	29.60	80.0	78.2	52.07	80.6
	9.00	21.276	19.07	18.44	29.69	80.0	78.1	52.08	80.5
	9.15	21.208	19.02	18.45	29.70	80.0	78.1	52.06	80.4
	9.30	21.139	19.02	18.47	29·70	80.0	78.0	52.05	80.3
	9.45	21.208	19.07	18.41	29·64	79.9	78.0	52.07	80.3
	10.00	21.276	19.02	18.36	29·55	79.9	78·0	52.10	80.3
	10.15	21·071	18.86	18.40	29·58	79.8	78.0	52.08	80.2
	10.30	21.002	18·65	18.46	29·61	79.7	78.0	52.08	80.1
	10.45	20.933	18.65	18.46	29·63	79.7	78.0	52.07	80.0
	11.00	20.728	18.55	18.47	29·63	79.6	77.9	52.06	80.0
	11.15	20.728	18.50	18.51	29·67	79.6	77.8	52.04	80.0
	11.30	20.728	18.50	18.53	29·67	79.5	77.7	52.02	80.0
	11.45	20.728	18.34	18.53	29.68	79.4	77.7	52.05	79.9
	12.00	20.659	18.24	18.55	29.68	79·2	77.6	52.10	79·9
	12.15	20.659	18.03	18.58	29.75	79.2	77.4	52.10	79.9
	12.30	20.590	18.03	18.59	29.73	79.2	77.2	52.10	79.7
	12.45	20.522	18.03	18.59	29.71	79.1	77.1	52.12	79.6
	13.00	20.247	17.98	18.62	29.76	79.0	77.1	52.12	79.5
	13.15	20.179	17.98	18.66	29.80	79.0	77.1	52.12	79.5
	13.30	20.042	17.98	18.66	29.85	79.0	77.0	52.15	79.5
	13.45	20.179	17.98	18.67	29.95	79.0	77.0	52.20	79.5
	14.00	20·453	18.24	18.67	29.95	79.0	77·0	52.28	79.5
	14.15	20.522	18.29	18.67	29.98	79.0	76.9	52.20	79.5
	14.45	20.522	18.29	18.80	30.15	78.9	76.8	52.22	79.5
	15.00	20.728	18.76	18.80	30.15	79.0	76.7	52.22	79.5
	15.30	21.276	19.02	18·95	30.32	79.0	76.7	52.20	79 5
	16.00	21·895	19.69	19.14	30.47	79.1	76·7	52.14	79.5
	16.30	22.101	19.96	19.34	30.67	79.5	76.6	52.00	79.4
	17.00	22.101	19.96	19.40	30.80	79.8	77.0	51.90	79.6
	17.30	21.826	19.81	19.70	31.15	80.2	77.4	51.70	79.8
	18.00	21.758	19.54	19.80	31.40	80.6	77.6	51.66	80.0
	18.30	21·826	19.59	19.87	31.42	81.0	77.8	51.62	80.2
	19.00	21·963	19.74	19.80	31.33	81.2	78.0	51.64	80.5
	20.00	21.482	19.17	19·75	31.28	81.8	78.2	51.66	81.0
Apr. 21st.	10.15	24.846	23.21	16.40	25.50	84.2	82.0	55.00	85.0
	10.30	24.846	22.95	16.50	25.75	84.2	82.0	55.00	85.0
	10.45	24·570	22.42	16.52	25.75	84.1	82.0	55.00	85.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 21st.	11.00	24·776	22·21	16.50	25.70	84°1	82°0	55.00	85°0
	11.15	24.776	22.21	16.30	25.65	84.1	82.0	55.00	85.0
	11.30	24.582	22.16	16.14	25.30	84.1	82.0	54.90	85·0
	11.45	24.363	22.16	16.20	25.35	84.1	82.0	55.00	85.0
	12.00	24.570	22.42	16.13	25.10	84.1	82.0	55·00	84.9
	12·15	25.257	22.73	16.02	25.00	84.0	82.0	55.08	84·9
	12.30	24.776	22·73	15.95	24.92	84.0	82.0	55.02	84.9
	12.45	24.365	22.00	16.10	25.25	84.9	81.9	54.95	84.9
	13.00	23.198	21.11	16.44	25.55	83.9	81.8	54.85	84·8
	13.15	23.953	21·90	16.40	25.50	83.8	81.7	55.05	84.8
	13.30	24.363	22.05	16.55	25.68	83.8	81.6	55.12	84·8
	13.45	24.776	22.90	16.83	26.03	83.7	81·6	55.20	84.7
	14.00	25.326	23.21	16.80	26.00	83.7	81.6	55.30	84.7
	14.15	26.080	23.21	16.83	26.04	83·6	81.5	55.28	84.6
	14.30	25.257	23.21	17.08	26.36	83.6	81.5	55.20	84.6
	14.45	25.669	23.57	16.90	26.20	83·7	81.5	55.22	84.6
	15.00	26.218	23.72	16.88	26.22	83·9	81.5	55.18	84.6
	15.15	25.875	23·52	16.55	25.82	84.0	81.6	55.14	84.6
	15.30	26.080	23.73	16.55	25.88	84.1	81.7	55.08	84.6
	15.45	26.218	23.73	16.45	25.75	84.3	81.8	55·00	84.7
	16.00	26.218	23.78	16.45	25.80	84.5	81·8	54·88	84.8
	16.15	26.355	23.99	16.67	26.15	84.6	82.0	54.74	85.0
	16·30	26.286	23.93	16.75	26.12	84.8	82.0	54.70	85.0
	16·45	25.394	22.83	16.87	26.44	85.0	82.2	54·58	85.1
	17.00	24.846	22·16	17.02	26.40	85.0	82·2	54.55	85.1
	17.15	24.159	21.90	17·06	26.50	85.2	82·5	54.44	85.3
	17.30	23.677	21.31	17.08	26.60	85.6	82.9	54.40	85.5
	17.45	23.130	20.74	17.13	26.65	85.9	83·0	54.30	85.6
	18.00	22.787	20.33	17.20	26.75	86.0	83·5	54.20	85.9
	18.15	22.032	19.38	17.25	26.88	86.0	83.8	54.10	86.0
	18.30	21.826	19.33	17.19	26.74	86.3	83.9	54.10	86.1
	18.45	21.276	19.07	17.17	26.73	86.5	83.9	54.06	86.2
	19.00	21.002	18.76	17.18	26.80	86.7	84.0	54.08	86.2
	19.15	20.042	17.98	17.31	26.99	86.8	84.2	54.02	86·4
	19.30	19.904	17.45	17.33	26.98	86·9	84.3	53.96	86·7
	19.45	19.424	16.93	17.31	26.96	87·0	84.4	53.95	86 9
	20.00	19.356	17.03	17.27	26.90	87.0	84.8	54.00	86.9
	20·15	19.218	16.93	17.21	26.87	87.1	84.9	54.05	87.0
	20.30	19.013	16.72	17.16	26·82	87·3	85.0	54.10	87.0
	20.45	18.807	16.61	17.17	26.81	87.4	85.0	54.14	87.1
	21.00	18.875	16.67	17.09	26.78	87.5	85.1	54·21	87.1
	21.15	18.875	16.67	17.02	26.75	87.8	85·2	54.22	87.3
	21.30	18.875	16.67	17.00	26.70	87·8	85.5	54.23	87.4
	21.45	19.218	16.93	16.93	26.60	87.9	85.6	54.25	87.4
	22.00	19.081	16.93	16.84	26.50	87.9	85·7	54.25	87.6
	22.15	19.150	16.93	16.83	26.48	88.0	85.8	54.30	87.8
	22.30	19.356	17.19	16.76	26.45	88.0	85.6	54.32	87.9
	22·45	19.356	17.19	16.78	26.47	88.0	85.6	54.25	88.0
	23.00	19.561	17.45	16.78	26.52	88.0	85.5	54.25	88.0
	23.15	19.904	17.72	16,75	26.50	87.8	85.4	54.25	88.0
	23.30	19.904	17.72	16.73	26.47	87.8	85.3	54.26	88.0
	23.45	20.316	17.98	16.62	26.34	87.8	85.3	54.30	88.0
Apr. 22nd.	0.00	20.522	18.44	16.47	26.20	87.7	85.2	54.40	88.0
	0.15	20.796	18.55	16.50	26.20	87.5	85·3	54.35	88.0
Apr. 28th.	23.00	21.688	19.28	16.30	26.10	91.2	88.0	54.20	91.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sec. Read. Uncorrected.	
Apr. 28th. 23.15	21.963	20·33	16.22	25.80	91.5	88.0	54.15	91.0
23.30	22.991	20.95	15.95	25.65	91.7	88·2	54.35	91·0
23.45	22.991	20.95	15.85	25.46	91.8	88.3	54.20	91.2
Apr. 29th. 0.00	23.130	21.11	15.74	25.35	92.0	88.5	54.10	91.3
0.15	23.060	20.85	15.67	25 30	91·9	88·7	54.04	91.8
0.30	22.991	20.79	15·60	25·21	91.8	88.7	53.97	91.8
0.45	22.287	20.59	15 50	25.10	91.6	88.6	53.87	91.8
1.00	22.512	20.33	15·43	25.03	91·4	88.5	53.86	91.8
1.15	22.444	20.33	15.30	24.86	91.1	88·4	53.85	91.6
1.30	22.237	20.14	15.39	24.92	90·9	88.3	53.89	91.3
1.45	22.444	20.33	15.32	24.90	90·6	88.1	53 98	91.2
2.00	22.991	20.59	15.24	24.90	90·3	88.0	54.08	91.0
2.15	23.404	21.08	15.30	25.00	90.0	87.5	54·25	90.6
2.30	23·404	21.08	15.35	25.05	89.8	87.4	54.28	90.5
2.45	22.718	20.33	15·26	24.96	89·6	87.2	54 20	90.3
3.00	22.444	20.33	15.18	24.75	89.4	87.0	54.28	90.1
3.15	22.444	20.33	15.06	24.65	89.2	87.0	54 35	90.0
3.30	22.444	20·33	14.95	24.55	89.0	87·0	54.40	89.9
3.45	22·649	20.59	14.85	24.43	88.9	86·8	54.40	89.6
4.00	22.375	20·33	14.80	24.30	88.8	86.6	54.36	89.6
4.15	22.444	20·61	14·79	24.25	88.8	86.6	54.42	89.5
4.30	22.101	20.07	14.95	24.35	88.5	86.5	54.40	89.4
4.45	22.305	20·22	15.08	24.55	88.4	86.5	54.45	89.3
5.00	22.344	20.61	15·18	24.65	88.4	86.4	54.45	89.2
5.15	23.404	21.11	15·12	24.65	88·3	86·4	54.55	89.2
5.30	23.404	21.11	15.23	24.65	88.2	86.2	54 55	89.2
5.45	22.991	20·61	15.29	24.68	88.2	86.1	54.52	89.1
6.00	22.991	20.95	15.44	24·82	88.1	86.0	54.52	89.0
6.15	23·130	20·85	15.49	24.87	88.0	86.0	54.50	89.0
6.30	23.404	21.11	15.64	25.02	88.0	86.0	54.51	89.0
6.45	23·609	21.21	15.76	25.16	88.0	86.0	54.52	89.0
7.00	23.130	20.95	15.78	25.18	88·0	86.0	54.34	89.0
7.15	22.854	20.85	15·84	25.22	88.0	86.0	54.37	88.9
7.30	23.267	20·95	15.78	25.20	88·0	86.0	54.40	88.9
7.45	22.787	20.59	16.05	25.70	87.9	85.8	54.35	88.9
8.00	22.854	20.59	16.58	26.28	87.9	85.8	54.35	88.8
8.15	22.512	20·33	16.23	25.80	87.7	85.6	54.40	88.8
8.30	23.060	20.85	16.09	25.50	87.7	85·4	54.50	88.6
8.45	23.335	21.11	16.15	25.60	87.6	85.4	54.50	88.5
9.00	23 060	20.85	16.39	25·90	87.5	85.4	54.45	88.4
9.15	22.787	20.59	16.32	25.80	87.5	85.4	54.45	88.4
9.30	22 787	20.59	16.28	25.75	87.5	85·4	54.50	88.2
9.45	22.787	20.59	16.25	25.70	87.4	85.3	54.44	88.2
10.00	22.512	20.59	16.30	25.70	87.4	85.3	54·30	88·2
10.30	21.963	19.54	16.48	26.00	87.2	85.2	54·20	88.0
11.00	22.101	20.33	16·80	26.40	87·0	85.1	54.30	88.0
11.15	21.551	19.38	16.98	26.50	87.0	85.0	54.25	87.8
11.30	21.551	19.43	16.69	26.20	87.0	84.8	54.35	87.8
11.45	21.826	20.12	16.79	26.30	87.0	84.8	54.44	87.7
12.00	21.551	19.28	16·88	26.45	87.0	84.7	54.56	87.7
12.15	21.071	18.78	16.95	26·50	86.9	84.6	54.50	87.6
12.30	21.276	18.98	17.04	26.62	86.9	84.6	54.55	87.5
12.45	21.551	19.54	17.00	26.55	86·9	84.5	54.68	87.5
13.00	22.237	20.07	16.87	26.38	86·8	84.5	54.75	87.5
13.15	22.237	20·07	16.69	26.25	86.8	84.5	54.82	87.5
13.30	22.649	20.33	16.63	26.05	86·8	84.5	54 88	87.4
13.45	22.923	20.59	16.58	26.05	86.8	84.4	54·85	87.4
14.00	24.159	22.16	16.78	26.45	86.8	84.4	54.90	87.4

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 29th.	14.15	22·718	20·33	16.93	26.65	86°8	84°3	54.72	87°4
	14.30	21.395	19.54	16.93	26.65	86.8	84.2	54.55	87.3
	14.45	22.718	20.33	17.05	26.85	86.8	84.2	54.55	87.3
	15.00	23.060	20.59	17.05	26.95	86.8	84.2	54.70	87.3
	15.15	23.130	20.95	17.10	27.00	86·9	84.2	54.65	87.3
	15.30	23.473	21.38	17.30	27.20	87.1	84.3	54.58	87.4
	15.45	23.473	21.26	17.37	27.40	87.2	84.4	54.40	87.4
	16.00	23.404	21.11	17.45	27.45	87.3	84.5	54.35	87.4
	16.15	22.787	20.76	17.42	27.50	87.3	84.5	54.30	87.4
	16.30	22.444	20.76	17.52	27.56	87.4	84.5	54.21	87.5
	16.45	21.963	20.64	17.48	27.47	87.5	84.4	54.20	87.5
	17.00	21.139	18.86	17.41	27.50	87.5	84.4	54.24	87.0
	17.15	20.796	18.50	17.50	27.50	87.4	84.3	54.16	87.0
	17.30	20.385	17.82	17.42	27.50	87.3	84.3	54.12	87.0
	17.45	19.904	17.72	17.53	27.60	87.3	84.4	54.10	87.1
	18.00	19.699	17.45	17.50	27.50	87.6	84.7	54.10	87.2
	18.15	19.767	17.72	17.51	27.60	87.8	85.0	54.10	87.3
	18.30	19.699	17.72	17.56	27.68	88.0	85.0	54.02	87.5
	18.45	19·356	16.51	17.59	27.60	88.0	85.3	54.02	87.8
	19.00	19.013	16.96	17.48	27.58	88.1	85.6	54.00	87.8
	19.15	18.807	16.67	17.58	27.64	88.2	85.9	54.00	87.9
	19.30	18.807	16.56	17.60	27.69	88.4	86.0	54.02	87.0
	19.45	18.464	16.67	17.58	27.70	88.4	86·1	54·07	87.0
	20.00	18.738	16.67	17.40	27.49	88.5	86.2	54.18	87.0
May 19th	3.00	19.356	17.87	17.12	27.20	87.0	85.6	54.20	88.5
	3.15	18.944	17.98	16.44	26.45	86.8	85.4	54.19	88.4
	3.30	19.699	18.50	16.41	26.25	86.8	85.2	54.15	88.2
	3.45	20·453	19.07	16.24	25.90	86.8	85.2	54.28	88.1
	4.00	20.179	18.96	16.20	25.80	86.7	85.0	54.20	87.8
	4.15	21.002	19.81	16.27	25.95	86.5	85.0	54 35	87.5
	4.30	21.688	20.85	16.30	26.00	86.5	84·8	54.45	87.2
	4·45	21·758	20·85	16.30	26.00	86.3	84.8	54.25	87.1
	5.00	22.237	21.05	16.24	25.88	86.2	84.7	54·35	87.0
	5.15	22.101	20.85	16.00	25.55	86.2	84·7	54.38	87·0
	5.30	21.895	20.85	15·90	25·25	86.1	84·6	54.40	86.9
	5.45	22.718	21.38	15.85	25.25	86.0	84.5	54.43	86.7
	6.00	22 854	21·38	15.99	25.42	86.0	84.5	24.42	86·6
	6.15	22.923	21·79	15.95	25.40	86.0	84.5	54.50	86.6
	6.30	23.404	21.95	16.00	25.45	85.9	84.4	54.52	86.6
	6.45	23.540	22.26	16·09	25.55	85·9	84.4	54.55	86.6
	7.00	23.267	21.90	16.28	25.85	85·9	84.4	54.50	86.6
	7.15	23·130	21.79	16.32	25.90	85·8	84.4	54.50	86.6
	7.30	23.130	21.79	16.42	25.97	85.7	84·2	54·50	86.6
	7.45	23·335	21.90	16.32	25.92	85.6	84.2	54.52	86.6
	8.00	23.267	21.84	16.42	26.00	85.5	84.1	54.55	86.6
	8.15	22.854	21.58	16.55	26.10	85.5	84·0	54.60	86.6
	8.30	22.923	21.64	16.50	26.10	85.4	84.0	54.56	86.6
	8.45	23·060	21.64	16.68	26.35	85.3	84.0	54.57	86.5
	9.00	22.854	21.43	17.20	27.20	85.3	84.0	54.54	86.5
	9.15	22.991	21.69	17.56	27.39	85.2	83.9	54.55	86.5
	9.30	23.060	21.95	17.35	27.09	85.2	83.9	54.64	86.5
	9.45	22.854	21.64	17.23	27.01	85.1	83·8	54.56	86.4
	10.00	23·335	21·84	17.40	27.15	85.0	83.6	54.66	86.2
	10.15	22.718	21·26	17.40	27.15	85.0	83.6	54.55	86.1
	10.30	22.718	21.31	17·43	27.17	85.0	83.6	54.69	86.1
	10.45	22.649	21.11	17.40	27.18	85.0	83·5	54.81	86.0
	11.00	22.787	21.26	17.46	27.18	85.0	83·5	55.00	86.0
	11.15	22.787	21.26	17.48	27.18	85.0	83.4	54.97	86.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
MAY 19TH. 11.30	22·787	21·26	17.49	27.20	84·9	83·4	54.95	86·0
11.45	22.512	21.11	17.38	27.09	84.9	83.4	54.85	86.0
12.00	22.787	21.38	17.53	27.28	84.9	83.3	54.98	86.0
12.15	22.444	20.74	17.67	27.25	85.0	83.0	55.00	86.0
12.30	21.758	20.64	17·67	27.30	85.0	83.0	54.85	86.0
12.45	22.444	20·74	17.62	27.23	84.9	83·0	54.70	86.0
13.00	22.787	21.64	17.55	27.16	84.9	83·0	54·70	86·0
JUNE 8TH. 4.00	21.619	19.69	17.05	27.20	82.1	80.1	54.75	82·9
4.15	20.385	17.72	17.89	27·80	82.0	80.0	54.75	82.8
4.30	18.944	17.72	18.61	27.70	82·0	80.0	54.78	82.8
4.45	19·424	17·98	18.20	27·70	82.1	80.0	54.48	82.7
5.00	19.836	18.44	17.79	28.05	82·1	80.0	54.90	82.7
5.15	19.561	17.98	18.18	28.48	82.2	80.0	54.85	82.5
5.30	19.424	17.98	18.25	28·70	82.2	80.0	54.80	82.4
5.45	19·287	17.72	18.16	28.60	82.1	80·0	55.00	82.3
6·00	19·630	18.24	18.12	28.86	82.1	80.0	54·75	82·3
6.15	19.699	18.24	18.08	28.82	82.1	80.0	54.86	82.3
6.30	19.836	18.76	17.99	28.15	82.0	80.0	55.40	82.0
6.45	21.415	20.07	17.28	27.40	81.9	80.0	55.85	82.0
7.00	19·973	19·07	18.40	28.95	81.9	79.9	55 50	82.0
7.15	21.619	20.12	18.80	29·55	81.8	79·8	55.35	82.0
7.30	21.415	19.59	18.97	29.70	81.7	79.8	55.33	82.0
7.45	21.826	20.07	18.97	29.70	81.5	79·8	55.45	81.8
8.00	22.374	21.16	18.34	28·39	81.5	79.8	55·50	81.8
8.15	22.718	20.95	17.67	27.78	81·5	79·5	55.44	81.7
8.30	22.649	20.95	17.59	27.76	81.5	79.5	55·42	81.6
8.45	22.923	21.26	17.68	27.92	81.5	79.5	55.45	81.6
9.00	22.923	21.26	17.74	28.05	81.5	79.4	55·40	81.6
9.15	22.923	21.26	17.82	28.08	81.5	79.4	55.42	81.5
9.30	23.473	21.90	17.92	28.16	81.5	79.4	55.48	81.5
9.45	23·766	22.62	17.92	28.15	81.4	79.3	55·50	81.5
10.00	24.432	22.94	18.11	28.45	81.4	79.3	55·62	81.5
10.15	24.363	22.94	17.99	28.25	81.4	79.3	55·58	81.5
10.30	24.390	22.94	18.03	28.32	81.4	79.2	55.48	81.5
10·45	23 953	22.68	18.22	28.50	81.5	79.2	55·40	81.6
11.00	23.816	22.47	18.15	28.40	81.5	79.2	55·42	81.6
11.30	23.130	21.64	18.35	28.70	81.5	79.2	55·32	81.6
12.00	22.649	21.31	18.16	28.42	81.5	79.2	55·30	81.6
12.30	22.512	21.16	18.21	28.57	81.5	79.3	55·30	81.6
13.00	23.130	22.00	18.32	28.70	81.6	79.5	55·45	81.7
13.30	24.159	22·88	18.31	28.73	81.6	79.5	55·50	81.9
14.00	24.846	23.47	18.45	28·90	81.7	79.6	55·50	81.9
14·30	24.914	23.52	18.37	28.86	81.6	79.8	55·40	81.8
15.00	25.189	23.67	18.42	28.90	82.0	79.8	55·25	82.0
15.30	24.914	23.47	18.26	28.67	82.1	80.0	55·10	82.1
16.00	24.502	23.00	18.33	28.87	82.5	80.0	54·97	82.2
16.30	25.120	23.99	18.00	28.30	83.0	80.2	54·90	82.4
17.00	24.159	22.95	17.90	28·27	83.2	80.5	54·50	83.0
17.30	23.060	21.64	17.86	28·30	83.6	80.8	54·25	83.2
18.00	22.305	21.16	17.61	27.96	84.0	81.2	54·20	83.4
18.30	21.895	20.33	17.25	27·50	84.2	81.8	54·25	83.7
19.00	21.139	19.59	17.23	27·40	84.6	82.0	54·10	84.0
19.30	20.522	19.02	17.00	27.30	84.8	82.2	54·22	84.2
20.00	20.042	18.76	17.02	27.25	85.0	82.2	54·26	84.5
20.30	20.385	18.96	17·08	27.35	85.1	82.7	54·38	85.0
21.00	20 590	19.12	17.24	27.55	85.5	83.0	54·36	85.4
21.30	21.002	19.54	17.46	27.95	85.6	83.3	54·35	85.7
22·00	21.345	19.91	17.51	28·05	85.8	83.6	54·35	85.9

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
June. 8th.	22.30	21·139	19·81	17.55	28.08	85°7	83°7	54.30	85°9
	23.00	21.002	19.48	17.61	28.18	86.0	83.9	54.22	86.0
	23.30	20.796	19.54	17.43	27.95	86.1	84.0	54.18	86.1
June 9th.	0.00	20.590	19.28	17.33	27.84	85.0	84·0	54·15	86.1
	0.30	20.522	19.22	17.26	27.76	86.0	84.0	54.18	86.1
	1.00	20.659	19.48	17.23	27.65	85.8	84.0	54.25	86.0
	1.30	21.002	19.74	17.24	27.66	85 5	84.0	54.28	86.0
	2.00	21.002	19.81	17.22	27.60	85.3	84·0	54.31	85.9
	2.30	21.208	20.07	17.18	27.55	85.1	83.8	54.40	85.8
	3·00	21.415	20.33	17.12	27.55	85.0	83.8	54.45	85.6
	3.30	21.619	20.48	17·18	27.57	84.9	83.8	54.35	85.4
	4.00	21.688	20.59	17.29	27.71	84 9	83.8	54.40	85.3
	4.30	21.963	20.85	17 58	28.06	84 8	83.8	54.45	85.2
	5.00	21.551	20.53	17.52	28.00	84·5	83.6	54.45	85.2
	5.30	21.276	20.17	17.45	27.90	84.5	83.6	54.45	85.0
	6·00	21.415	20.33	17.45	27.86	84.5	83.3	54.50	85.0
	6.30	21.415	20.33	17.46	27·87	84 5	83.3	54·50	85.0
	7·00	21.071	19.91	17.62	28.20	84·2	82.5	54.46	84.8
	7.30	21.551	20.53	17.64	28.24	83.8	82.0	54·54	84.0
	8.00	21.415	20.43	17.65	28.10	83.5	82.0	54·60	84.0
	8.30	21.345	20.33	17.73	28.16	83·5	81.7	54.71	83.9
	9.00	21.071	20.12	17.83	28.34	83 3	81.5	54.70	83.6
	9.30	21.415	20.33	17.90	28.36	83.2	81.3	54.92	83·6
	10.00	21.482	20.59	17.92	28.36	83.2	81.1	54.95	83.5
June 16th.	1·00	20.385	20.33	16.99	28.30	87.2	86.0	54.06	88.0
	1.15	20.316	20.33	17.28	28 50	87.1	85·8	54·08	87.8
	1.30	20.453	20.33	17·16	28.50	87.0	85.6	54 08	87.8
	1.45	20.385	20.22	17.35	28.72	86.9	85.6	54.05	87.6
	2.00	20.865	20.48	17.09	28.39	86.6	85.6	54.12	87.6
	2.15	20.522	20.48	17.04	28.32	86·4	85.4	54.10	87.4
	2.30	20.042	19.69	17·13	28.44	86.2	85.2	54.00	87.2
	2.45	20.247	20.07	17.15	28.46	86.1	85.2	54.07	87.0
	3.00	20.865	20.59	16.93	28.18	86.0	85.0	54.14	87.0
	3.15	21.139	20.59	17.03	28.35	86.0	85·0	54.12	86.9
	3.30	21.002	20.48	17.18	28.42	85.9	84·8	54.15	86.8
	3.45	21.139	20.74	17.22	28.55	85.8	84.7	54.05	86.8
	4.00	21.551	21.26	17.15	28.40	85.7	84.6	54·17	86.6
	4.15	22.237	21.90	17.19	28.56	85.6	84.4	54.22	86.3
	4.30	22.168	21.69	17.22	2 .60	85.5	84.3	54.25	86.1
	4.45	22.101	21.64	17.30	28.60	85.5	84.2	54.24	86.1
	5.00	21.758	21.48	17.39	28.70	85.4	84·1	54.00	86.1
	5.15	21.688	21.48	17.42	28.72	85.4	84.0	54.00	86·0
	5.30	21.551	21.16	17.45	28.80	85.2	84.0	54.06	86.0
	5.45	21·551	21.16	17 50	28.82	85.2	84.0	54.06	86.0
	6.00	21.415	21.11	17.46	28.76	85.2	84.0	54.05	85.9
	6.15	21.551	21.16	17.48	28·78	85.2	84.0	54.02	85.8
	6.30	21.758	21.38	17.55	28.85	85.1	83.9	54.77	85.8
	6.45	21.619	21.26	17.60	28·90	85.1	83.9	54.00	85.8
	7.00	21.415	21.21	17.65	29.00	85.0	83.8	54.00	85.8
	7.15	21.276	21·16	17.64	28.96	85.0	83.8	54.00	85.7
	7·30	21.415	21.26	17.66	29.00	85.0	83.8	54.00	85·6
	7.45	21.551	21.21	17.65	29.00	85.0	83.7	54.03	85.6
	8.00	21.785	21.64	17.68	29.00	84.9	83.7	54.06	85.5
	8.15	21.826	21.43	17.69	29·00	84.9	83.7	54.06	85 5
	8.30	21.688	21.38	17.72	29.04	84.9	83.6	54.02	85.5
	8.45	21.619	21.38	17.75	29.10	84.8	83.5	54.00	85.5

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
June 16th	9.00	21·688	21·48	17.74	29.05	84°6	83°5	54.02	85°4
	9·15	21.758	21.48	17.81	29.06	84·5	83.4	54.06	85.4
	9.30	21.482	21.43	17.80	29.05	84.5	83.3	54.14	85.3
	9.45	21.619	21.43	17.84	29.07	84.4	83·2	54.14	85.3
	10.00	21.619	21.26	17.83	29.12	84.4	83·2	54.24	85.3
	10·15	21.551	21.26	17.82	29·10	84·4	83.2	54.25	85.2
	10.30	21.551	21.26	17.82	29.10	84.4	83.1	54.26	85.2
	10.45	21.826	21.43	17.89	29.16	84.3	83·1	54.25	85.1
	11.00	21.756	21.43	17.90	29.16	84.2	83.0	54.28	85.1
	11.15	21.728	21.43	17.80	29.08	84.2	83.0	54.32	85.0
	11.30	21.728	21.43	17.83	29.16	84.2	83.0	54.35	85·0
	11.45	21.728	21.43	18·00	29.35	84.2	83.0	54.34	85.0
	12.00	21.895	21.48	18.10	29.60	84.1	83·0	54.35	85.0
	12.15	21.826	21.58	18.17	29·64	84 0	83.0	54.35	85.0
	12.30	22·168	21.95	18.19	29.64	84.0	83.0	54.44	85.0
	12.45	22.305	22.16	18.21	29·66	84.0	83.0	54·54	85.0
	13.00	22.512	22.26	18.20	29.65	84.0	83·0	54.55	84.9
July 11th	4.00	23.540	23.88	16.29	26.72	85.6	83.5	55.37	86·6
	4.15	24.226	24.25	16.10	26.25	85.4	83.2	55.40	86.6
	4.30	24.363	24.04	15.93	26.16	85.3	83.1	55.30	86.4
	4.45	24.502	24.30	15.98	26.19	85.2	83.0	55.29	86.2
	5.00	23.404	23.52	15.92	26.24	85.0	82·9	55·24	86.0
	5.15	23.953	24·04	15.96	26.16	85.0	82.7	54·96	86.0
	5.30	24.159	24.09	15.82	25·94	85.0	82.6	55.20	86.0
	5.45	24·363	24.35	15.83	25.97	85·0	82.5	55.21	85.9
	6.00	24.159	23.88	15.87	25.99	85.0	82.3	55·20	85.9
	6.15	23.953	23.73	16.17	26.41	85.0	82.2	55.05	85.9
	6.30	23.816	23.36	16.56	26.84	85.0	82.1	54.95	85.9
	6.45	23.746	23.26	16.53	26.70	85.0	82.1	54.98	85.9
	7.00	23.677	23.00	16.66	26.76	85.0	82.1	55.00	85.9
	7.15	23.130	23.10	16.31	26.44	85.0	82.1	55.02	85.9
	7.30	22.581	22.95	16.02	26.12	85.0	82.1	55.01	85.9
	7.45	22.991	23.26	16.08	26.16	84.9	82.0	55.07	85.8
	8.00	23.404	23.57	16.03	26.24	84·8	82.0	55.18	85.8
	8.15	25.189	24.51	16.10	26.26	84.8	82.0	55.40	85.8
	8.30	24.502	24.25	16.21	26.40	84.8	82.0	55·30	85.6
	8.45	24.502	24.25	16.40	26.60	84.8	82.0	55.15	85.6
	9.00	24.502	24.25	16.58	27.00	84.8	82·0	55.15	85.5
	9.15	24.363	24.25	16.58	27.00	84.8	82.0	55.20	85·5
	9.30	24.159	23 99	16.61	26.80	84.6	82.0	55.20	85·5
	9.45	23.677	23.99	16.72	27.05	84.5	82.0	55.15	85.5
	10.00	23.609	23.83	16.62	26.86	84.7	82.0	55·25	85.4
	10.15	24.502	24.25	16.65	26.80	84.8	82.0	55.40	85.4
	10.30	24.502	24.25	16.90	27.35	84·8	82.0	55.25	85.4
	10.45	23.953	23.99	17.11	27.56	84.8	82·0	55.35	85.4
	11.00	24.226	24.35	17.11	27.45	84.8	82.0	55.40	85.4
	11.15	24·502	24·51	17.00	27.40	84.9	82.0	55.40	85.4
	11.30	25.120	25.04	17.50	28.20	84.9	82.0	55.50	85.3
	11.45	26.218	26.08	17.82	28.50	84.8	82.0	55·60	85.3
	12.00	26.080	25.56	17.71	28.28	84.8	82.0	55.50	85.3
	12.15	25.669	25.87	17.66	28.20	84·6	82.0	55.70	85.3
	12.30	26.423	25.97	17.44	27.88	84.6	82.0	55.72	85.4
	12.45	25.463	25.66	17.38	27.82	84.6	82·0	55.60	85.4
	13.00	24.846	24.92	17.36	27.85	84.6	82.0	55·55	85·4
	13.15	25.257	25.56	17.44	27.90	84·5	81.9	55.68	85.3
	13.30	25.875	25.82	17.46	27.95	84.4	81.9	55.72	85.2
	13.45	26.080	25.97	17.48	27.96	84.3	81.8	55.75	85.0
	14.00	26.286	26.18	17.53	28.05	84.3	81.8	55.78	85.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. R. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
July 11th.	14.15	26·149	26·49	17.65	28.25	84°4	81°8	55·72	85°0
	14.30	27.041	26.61	17.86	28·55	84.5	81.7	55.75	85.0
	14.45	26.629	26.34	17.82	28.55	84.8	81.7	55.70	85.0
	15.00	26.629	26.34	17.72	28.50	84.8	81.9	55.58	85.1
	15.15	26·561	26.18	17.70	28·48	84.9	81.9	55·60	85·1
	15.30	26.423	25.97	17.73	28.55	85.0	82.0	55.35	85.2
	15.45	26.286	25.97	17.87	28.75	85.2	82.1	55.24	85·3
	16.00	25.857	25.45	17.90	28.84	85.3	82.2	55.10	85.4
	16.15	25.189	24.82	17.86	28.85	85.4	82.3	55.00	85.5
	16.30	25.051	24.76	17.93	28.87	85.5	82.5	54.89	85.7
	16.45	24.570	23.88	17.99	28.90	85.8	82.8	54.80	85.8
	17.00	24.090	23.67	18.09	29.05	86.0	83 0	54.74	86.0
	17.15	23.609	23.15	18.07	29.03	86.2	83.4	54.70	86.1
	17.30	22.787	22.88	18.01	29·00	86.5	83.7	54.68	86.1
	17.45	21.895	21.38	17.96	28.94	86.7	84.0	54.57	86·3
	18.00	21.415	21.11	18.07	39.05	86.9	84.1	54 55	86.5
	18.15	21.002	20.53	17.97	29.15	87·0	84·4	54.56	87.0
	18.30	20.590	20.17	17.88	29.10	87.2	84.6	54.50	87.0
	18.45	20.179	19.96	17.95	29.01	87.2	84.8	54·50	87.0
	19.00	20.042	19.12	17.81	28·77	87.1	84.9	54.50	87.2
	19·15	19·013	19.02	17.94	29·03	87.5	85.0	54.38	87.2
	19.30	18.632	18.34	17.95	29.04	87.5	85.0	54.40	87·2
	19.45	18.327	17.72	17·95	29.67	87.6	85.1	54.40	87.3
	20.00	18.052	17·65	17.93	28.39	87.7	85.3	54.52	87.4
July 18th.	2.00	23.540	24.09	17.01	27.05	81.2	79.5	56.00	81.8
	2.15	23.473	23.73	16.99	27.05	81·2	79.5	55.95	81.8
	2.30	23.473	23.57	16.95	27.00	81.2	79.5	55.92	81.8
	2.45	23.267	23.26	17.02	27.15	81.2	79·6	55.85	81.9
	3.00	23.060	23.15	16.95	27.02	81.3	79.6	55.88	81·9
	3.15	22.991	23.05	16.88	26.90	81.3	79.6	55.88	81.9
	3.45	22.649	22.62	17.41	27.62	81.2	79.7	55.80	81.9
	4.00	22.923	22.83	17.79	28.25	81.2	79.7	55.82	82.0
	4.15	22.512	22.62	17.92	28.35	81.2	79.7	55.75	82.0
	4.30	22.374	22.52	17.66	28·05	81.2	79.7	55.84	82.0
	4.45	22.237	22.31	17·55	27.82	81.3	79.8	55 82	82.0
	5.00	21.688	21.90	17·50	27.72	81.3	79.8	55.75	82.0
	5.15	21.758	21.64	17.00	27.86	81.3	79.9	55.74	82.0
	5.30	21.551	21·48	17.68	27.93	81.3	79.9	55.73	82.0
	5.45	21.345	21.26	17·74	28.02	81.4	80.0	55.72	82.0
	6.00	21.345	21.69	17·72	27.85	81.5	80.0	55.90	82.0
	6.15	21.415	21.64	17.51	27·80	81.5	80.0	55.88	82.0
	6.30	21.276	21.38	17.64	27·88	81.3	79.9	55.90	81.9
	6.45	21.071	21.21	17.70	27.98	81.2	79.9	55.94	81.9
	7.00	20.728	21.05	17.76	28.15	81.2	79.8	55.86	81.9
	7.15	20.728	20.95	17.81	28.17	81.3	79.8	55.88	81.9
	7.30	20.728	20.85	17.88	28.21	81.3	79.8	55.87	82.0
	7.45	20.865	20.95	17.93	28.29	81.4	79.9	55.88	82.0
	8.00	20.933	21.11	17·96	28.36	81.5	79.9	55.88	82.0
	8.15	20.865	21.11	17.95	28.15	81.7	80.0	55.90	82.0
	8.30	20.863	21.26	17.97	28.35	81.8	80.0	55.86	82.0
	8.45	20.796	21.38	17.96	28.34	81.7	80.0	55.85	82.0
	9.00	20.865	20.95	17.93	28.35	81.7	80.0	55.82	82.0
	9.15	20.865	21.10	17.90	28.25	81.7	80.0	55.80	82.0
	9.30	21.276	21.38	17.90	28·25	81.8	80.0	56.20	82.0
	9.45	20.933	21·26	18.00	28.52	81.5	79.9	56.05	82.0
	10.00	20.590	21.05	18.06	28.56	81.3	79.8	56.13	82.0
	10.15	20.865	21.26	18·06	28.57	81.2	79.8	56.23	81.9
	10.30	21.208	21.79	18·09	28.57	81.2	79.8	56.28	81.9

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
July 18th	10.45	21·482	21·79	18·08	28.55	81°2	79°8	56.25	81°8
	11·00	20.659	20.85	18.24	28.84	81.1	79.6	55.12	81.7
	11.15	20·453	20.33	18.49	29.72	81.0	79.4	56.00	81.4
	11.30	20.996	20.85	18.54	29.05	81.0	79.4	56.20	81.5
	11.45	21.139	21.11	18.44	28.85	81.0	79.3	56.20	81.5
	12.00	21.551	21.79	18.39	28.85	81.0	79.3	56.28	81.4
	12.15	22.101	22.31	18.36	28.82	81.0	79.3	56.22	81.4
	12.30	22.237	22.52	18.35	28.85	81.0	79.3	56.24	81.4
	13.00	22.512	22.68	18.45	29.00	80.8	79.0	56.32	81.3
Aug. 29th.	0.00	26.218	26.61	12.56	25.20	79.0	76.3	61.00	79.7
	0.15	25.532	26.61	12.63	25.20	78.9	76.3	61.15	79.4
	0.30	25.394	26.87	13.05	25.50	78.9	76.2	61.05	79.4
	0.45	25.875	27.13	13·62	26.00	78.9	76.2	61.10	79.4
	1.00	25.875	27.13	13.56	26.06	78.9	76.3	61.20	79.4
	1.15	25.806	27.23	13.59	26.00	78.9	76.3	61.22	79.5
	1.30	25.806	26.87	13.55	26.00	78·9	76·5	61.22	79.5
	1.45	25.394	26.71	13.70	26.02	78.9	76.5	61.26	79.3
	2.00	25.326	26.49	13.74	26.15	78.9	76.6	61.38	79.2
	2.15	25.189	26.71	13.82	26.20	78.8	76.6	61.45	79.2
	2.30	25·463	26.81	13.77	26·18	78·8	76.6	61.55	79.2
	2.45	25.532	26.87	13.80	26.25	78.8	76.6	62.00	79.2
	3.00	25.326	26.61	13.97	26.36	78.9	76.7	61.88	79.2
	3.15	25.669	27.23	13.80	26.29	78.9	76.9	62.00	79.2
	3.30	26.944	28.06	14.23	27·70	79.0	76.9	61.79	79.3
	3.45	25.463	26.61	15.75	27·00	79.0	77.1	61.62	79.3
	4.00	24.776	26.08	15.35	27·70	79.0	77·3	61.72	79.3
	4.15	25·051	26.34	15.55	27·75	79.1	77.3	61.72	79.4
	4.30	25.189	26·61	15.58	27·80	79.1	77.3	61.74	79.4
	4.45	23.816	25.30	15.25	27·66	79.1	77.3	61.65	79.5
	5.00	24.363	25.76	15.54	27·68	79.2	77.4	61.68	79.5
	5.15	24.090	25.66	15.35	27·75	79.2	77.5	61.62	79.5
	5.30	23.884	25.45	15.30	27·75	79.3	77.6	61.60	79.6
	5.45	23.677	25.04	15.48	27.85	79.3	77.7	61.55	79.7
	6.00	23.335	24.71	15.64	28.02	79·4	77.7	61.50	79·7
	6.15	23.473	24.71	15.65	28.04	79.4	77.8	61.48	79.8
	6.30	23.404	24.66	15.80	28.24	79.4	77.8	61.45	79.8
	6.45	23.060	24.40	15.90	28.36	79.5	77.9	61.40	79.9
	7.00	22.923	24.30	15.97	28.45	79.3	77.8	61.42	79.8
	7.15	22.854	24.30	16.01	28.54	79.3	77.8	61.50	79.8
	7.30	22.787	24.25	15.99	28.40	79.4	77.8	61.50	79.8
	7.45	22.787	24.25	15.98	28.38	79.4	77.8	61.48	79.8
	8.00	22.991	24.30	16.07	28.55	79.5	77·9	61.50	79.9
	8.15	23.130	24.61	16.13	28.65	79.6	78.0	61.50	79.0
	8.30	23.130	24.51	16.17	28.68	78.6	78.0	61.58	79.0
	8.45	23.130	24.51	16.16	28.68	79.5	78.0	61.55	79.0
	9.00	23.198	24.61	16·15	28.70	79.6	78.0	61.58	79 0
	9.15	23·335	24.92	16.19	28.74	79.5	78·0	61.60	79.0
	9·30	23.369	24.92	16.23	28.75	79.4	77.9	61.57	79.9
	9.45	23.335	24.77	16.28	28.84	79.5	77.9	61.57	79.9
	10.00	23.335	24.77	16.33	28.90	79.5	78.0	61.52	79.9
	10.15	23.335	24.77	16.32	28.90	79.5	78.0	61.50	79.9
	10.30	23·404	24.82	16.34	28.92	79.4	78.0	61.50	79.9
	10.45	23·335	24.77	16.45	28.98	79.4	78.0	61.59	79.9
	11.00	23.473	24.82	16·45	29.00	79.4	78.0	61.50	79.9
	11.15	23.473	24.82	16.45	29.00	79.4	78.0	61·50	79.9
	11.30	23.473	24.87	16·50	29.00	79.4	78.0	61·50	79.9
	11.45	23.473	24.87	16.54	29.02	79.4	78.0	61.50	79.9
	12.00	23.473	24.92	16.54	29.10	79.4	78.0	61.50	80.0
	12.15	23·609	25.04	16.55	29.15	79.4	78.0	61.50	80.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Aug. 29th.	12.30	23.609	25·04	16.60	29.20	79°5	78°0	61.25	80°0
	12.45	23.609	25.14	16.62	29.25	79.5	78.0	61.14	80.0
	13.00	24.621	25.45	16.63	29.25	79.5	78.0	61.20	80·0
	13.15	24.090	25.30	16.68	29.25	79.6	78.0	61.22	80.0
	13.30	24.159	25.45	16.75	29.35	79.7	78.0	61·22	80.0
	13.45	24.570	26.08	16.79	29.40	79.7	78.0	61.28	80·0
	14.00	25.394	26.61	16.84	29.46	79.8	78.0	61.30	80.0
	14.15	25.394	26.81	16.92	29.54	79.8	78.1	61.38	80.0
	14.30	25.806	27.13	16.93	29.62	79.8	78.2	61.38	80·0
	14.45	26.012	27.65	16.99	29.70	79.6	78.0	61.40	80.0
	15.00	26.080	27.65	17.10	29.83	79.5	78.0	61.32	80·0
	15.15	26.218	27.78	17.39	30.15	79.6	78·0	61.25	80.0
	15.30	26.286	27·65	17.53	30.35	79.4	78.0	61.10	79.9
	15.45	25.737	26.87	17.79	30.60	79·6	78.0	61.00	79.9
	16.00	25.189	26.61	17.88	30.78	79.9	78.0	60.90	80.0
	16.15	24.846	26.08	18.01	30.92	79·8	78.0	60.85	79.9
	16·30	24.159	25.45	18.02	30.92	80·0	78.1	60.80	79.9
	16·45	23.473	24·92	18.18	31.05	80.3	78.2	60.58	80.1
	17.00	22.854	23.73	18.32	31.35	80.6	78.6	60.50	80.1
	17.15	22.374	23.47	18.41	31.45	80.9	79.0	60·38	80.3
	17.30	21.415	22.62	18.44	31.48	80.9	79·0	60·28	80.4
	17.45	21.276	22.52	18.48	31.50	81.0	79.1	60.24	80.4
	18.00	20.179	21·38	18.62	31.72	81.5	79.6	60.28	80.8
	18.15	19.699	20.85	18.59	31.70	81.8	79.7	60·24	80.9
	18.45	18.601	19.91	18.63	31.85	82.3	80·0	60.10	81.3
	19.00	18.395	19.54	18.67	31.85	82.4	80·1	60.08	81.4
	19.15	17.984	19.02	18.65	31.90	82.6	80.3	60.00	81.7
	19.30	17.709	18.76	18.65	31.85	82.8	80·4	59.98	81.8
	19.45	17.641	18.86	18.49	31.62	83.0	80·5	59.88	82.0
	20.00	17·092	18.50	18.35	31.55	83.0	80.7	59.85	82.2
	20·15	16.955	18.24	18.44	31.65	83.0	81.0	59·70	82.2
	20.30	17.298	18.76	18.46	31.65	83.3	81.3	59.90	82.4
	20.45	17.435	18.76	18.35	31.60	83.5	81.4	60.00	82.7
	21.00	17.435	18.76	18.31	31.55	83.5	81.6	60.00	82·9
	21.30	17.298	18.76	18.22	31.45	83·6	81.7	60.08	83·0
	22.00	18.189	19.69	18.03	31.28	83·7	81.7	60.20	83.2
	22.30	18,670	20·07	17.96	31.20	83.8	81.8	60.20	83.3
	23.00	19.458	20.95	17·79	31.00	83.8	81.8	60.20	83.7
	23.30	20.247	21.79	17.70	30.90	83·7	81.7	60.20	83.8
Aug. 30th.	0.00	20.933	22.42	17.60	30.70	83.4	81.2	60.18	83.7
	0.30	21.415	22.95	17.52	30.70	83.2	81.3	60·20	83.6
	1.00	21.895	23.47	17·46	30.55	83.0	81·2	60.11	83.5
	1.30	22.374	23.88	17.42	30.55	82.7	81.0	60.12	83.4
	2.00	22.581	23.99	17.46	30.55	82.2	80.6	60.10	83.2
	2·30	22.787	24.25	17.51	30.62	82.0	80·5	60.12	83.0
	3.00	22.718	23.99	17.49	30.62	81·9	80.4	60.10	82.8
	3.30	22.374	23.57	17.50	30.61	81.8	80.2	60.05	82.4
	4·00	22.101	23.73	17.52	30.65	81.6	80.1	60.14	82.3
	4.30	22.168	23.67	17.54	30.65	81.6	80.1	60.22	82.3
	5.00	21.895	23.36	17.58	30.65	81.6	80.0	60.24	82.3
	5.30	22.032	23.36	17.59	30.65	81.4	80.0	60.25	82.2
	6.00	21.895	23.36	17.59	30.66	81.3	80.0	60.28	82.0
	6.30	21.933	23.47	17·60	30.68	81.2	80.0	60.32	82·0
	7.00	22.101	23.47	17.65	30.74	81.1	79.9	60.38	81.9
	7.30	22.168	23.67	17.71	30·78	81.0	79.9	60 42	81.8
	8.00	22.237	23.73	17.75	30.89	81.0	79.8	60.45	81.7
Sept. 1st.	18.00	26.012	26.71	17.52	30.52	83.3	80.8	59.00	82.7

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sec. Read. Uncorrected.	
Sept. 1st. 18.15	28.070	29·22	15.27	28.22	83.6	81.0	59.00	82.9
18.30	56.131	56.42	11.52	21.20	84.0	81·2	58.35	83.3
18.45	49.202	49.00	—	—	84.0	81.4	59.45	83.3
19.00	49.202	48.95	3.20	10.22	84.1	81·6	58.75	83.3
19.05	56.063	55.00	2.47	16.80	84.1	81.8	57.55	83.7
19.10	50.368	49.22	3.88	17.20	84.1	81.8	56.40	83.6
19.15	48.859	46.00	7.78	21.10	84·4	81·9	55.60	83.6
19.20	36.548	35.00	13·00	26·40	84.5	81.9	54.86	83.9
19.25	37.940	37.44	13.55	26.50	84.5	81.9	56.20	83.9
19.30	31.707	31.24	13·45	26.20	84·6	82.0	55.75	83.9
19.35	28.687	31.57	12.57	27.50	84.7	82·3	55.25	84.0
19.40	27.727	28.70	12.10	22.75	84.7	82.5	57.62	84.0
19.45	29.991	30.79	13.65	24.40	84·7	82.6	58.22	84.0
19.50	32.667	32.62	14.45	26.20	84·8	82.7	58.02	84.1
19.55	24.846	28.70	14.46	27.65	84.8	82.7	57.48	84.1
20.00	30·196	23.99	16.54	28.80	84.9	83.0	58.55	84.1
20.05	22.168	24.25	15·17	29.35	84·9	83.0	58.25	84.2
20.10	24.914	23.73	16.28	28.55	84.9	83.0	59.28	84.2
20.15	31.088	25.56	15.60	29.07	84.9	83.1	58 64	84.3
20.20	22.101	22·63	14.45	30.13	84.9	83·2	58.15	84.1
20.25	17·298	18.76	17.35	29.25	84.9	83·2	59.35	84.1
20.30	18.379	13·01	17.50	30.90	85.0	83.5	58.00	84.1
20.35	23.130	20·33	13·35	23.30	85.1	83.5	59.45	84.2
20.40	19.767	19.02	13.45	25.20	85.1	83.6	59.55	84.3
20.45	18.670	17.90	14.40	26.15	85.1	83.6	59.00	84.3
20.50	21.071	19.81	15·45	27.88	85.0	83.6	59.60	84.4
20.55	18.327	19.02	16·85	29.65	85·0	83·6	57.50	84.4
21.00	22.787	17.72	13.40	26.25	85.2	83.7	59.85	84.5
21.05	19.356	20·33	13·70	25.50	85.2	83.8	60.62	84.7
21.10	20.522	20.85	12.75	23·60	85.3	83.8	60.40	84.8
21.20	19·356	20·33	12.80	25.50	85.3	83.9	59.85	85.0
21.30	18.944	19.81	14.05	25.40	85.3	84.0	59.60	85.0
21.40	17·778	18.76	13.85	25.70	85.3	84.0	59.50	85.0
21.50	14.554	18.50	14·10	26.00	85·3	84.0	59.40	85.0
22.00	15.445	17.45	13·65	25.70	85.3	84.0	59.88	85.0
22.10	16.955	17·72	13.59	25.45	85·3	84.0	60.15	85.0
22.20	17.641	18.65	13·45	24.90	85.3	84.0	59.85	85.0
22.30	17.572	18.76	13.48	25.15	85.4	84,0	59.95	85.0
22.45	17.641	18·76	14.35	26.07	85.5	84.0	60.00	85.2
23.00	17.778	19.02	13.93	25.50	85.4	83·9	60.25	85.3
23.15	19.013	20.07	14.40	25.75	85.3	83.9	60.62	85.3
23.30	21·758	22.68	14.53	26·85	85.2	83.8	60.65	85.2
23.45	23.198	24.40	14.70	26.65	85.1	83.6	61.00	85.1
Sept. 2nd. 0.00	24.639	25.04	14.64	26.68	85.0	83.5	61·00	85·1
0.15	23.130	25.04	15.40	26.65	85.0	83.5	60·60	85.0
0.30	23.473	26.08	14·92	26.50	84·9	83.4	60.30	85.0
0.45	23.130	24.51	17.23	28.05	84.8	83.3	59.85	85.0
1.00	19.836	21.90	17.43	28.60	84.6	83.2	60.20	85.0
1.15	20.590	20.07	16.55	29.55	84.3	82.8	59.45	85.0
1.30	17.298	20.91	14·97	28.00	84.1	82.8	59.75	85.0
1.45	20.865	22.16	13.10	24·70	83.9	82.8	60.30	84.9
2.00	19.836	20.07	12.57	25.00	83.6	82.4	60.50	84.7
0.15	31.707	32.50	12.45	24.60	83·5	82.4	60.60	84.5
0.30	24.363	21.38	12.10	23.45	83·3	82.1	60.60	84.3
0.45	20.453	19.28	10.97	23.50	83.2	82.0	60.60	84.1
3.00	19.767	21.64	10.50	22.00	83·0	82.0	60.20	84.0
3.15	22.305	23·31	10.20	21.20	83.0	82.0	60·75	84.0
3.30	24.159	25.82	9.87	21.30	83.0	82.0	60.65	83.9

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. M. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Sept. 2nd. 3.45	26'149	27'13	12.02	23.50	83°0	82°0	60.50	87°8
4.00	26.904	27.91	12.24	23.70	82.9	81.9	60.55	87.7
4.15	26.286	26.61	12.82	24.80	82.9	82.0	60.35	87.7
4.30	24.846	26.08	13.25	24.70	83.0	82.0	60.21	87.8
4.45	23.540	25.25	13.78	25.20	82.9	81.9	60.20	87.8
5.00	23.884	25.30	13.66	25.15	82.9	81.9	60.25	87.7
5.15	23.953	26.08	13.50	25.20	82.9	81.9	60.10	87.6
5.30	23.473	24.77	13.51	25.25	82.9	81.8	60.20	87.5
5.45	23.816	25.04	13.50	25.14	82.8	81.7	60.30	87.3
6.00	23.953	25.04	13.57	25.17	82.7	81.7	60.25	87.2
6.15	23.473	24.25	13.78	25.40	82.7	81.7	60.30	87.2
6.30	23.609	24.25	13.81	25.65	82.7	81.6	60.30	87.1
6.45	23.473	24.51	15.12	27.15	82.7	81.6	60.10	87.0
7.00	23.404	23.99	15.39	27.40	82.5	81.5	60.20	87.0
7.15	23.473	24.51	15.40	27.25	82.3	81.4	60.30	87.0
7.30	23.746	24.25	15.10	27.00	82.2	81.4	60.75	87.0
7.45	23.198	24.25	15.29	27.22	82.2	81.3	60.70	87.0
8.00	23.198	24.40	15.21	27.15	82.1	81.2	60.75	82.9
8.15	23.060	24.25	15.35	27.22	82.1	81.2	60.72	82.8
8.30	23.198	24.40	15.46	27.35	82.0	81.1	60.75	82.7
8.45	23.335	24.25	15.40	27.35	82.0	80.9	60.72	82.7
9.00	23.746	24.57	15.37	27.38	81.9	80.6	60.78	82.6
9.15	24.090	24.77	16.21	28.28	81.9	80.4	60.78	82.6
9.30	23.609	24.51	16.78	28.95	81.8	80.3	60.65	82.5
9.45	23.404	24.25	16.74	29.00	81.8	80.3	80.78	82.5
10.00	23.130	24.25	17.17	29.25	81.7	80.2	60.70	82 4
10.25	23.540	24.40	16.36	28.35	81.7	80.2	60.85	82.4
10.30	23.609	24.40	15.96	27.95	81.6	80.2	60.80	82.4
10.45	23.884	25.04	15.91	27.98	81.6	80.1	60.88	82.3
11.00	25.051	26.08	16.24	23.52	81.5	80.0	60.92	82.2
11.15	25.806	26.71	16.66	28.85	81.5	80.0	61.08	82.1
11.30	25.394	26.49	16.94	29.35	81.4	80.0	60 95	82.1
11.45	25.532	26.18	17.19	29.42	81.4	80.0	60.95	82.0
12.00	24.707	25.82	16.64	28.65	81.3	80.0	60.95	82.0
12.15	25.120	26.08	16.20	28.20	81.3	80.0	61.00	81.8
12.30	25.532	26.34	16.10	28.15	81.3	80.0	61.00	81.8
12.45	25.706	26.56	16.17	28.20	81.2	80.0	61.00	81.7
13.00	24.846	25.56	16.17	28.20	81.2	80.0	60.95	81.8
13.15	24 159	26.13	16.60	29.00	81.2	80.0	61.00	81.8
13.30	23.953	25.79	16.06	28.20	81.2	80.0	61.05	81.8
13.45	25.943	26.34	16.35	28.45	81.2	80.0	61.05	81.8
14.00	25.669	26 61	16.55	28.50	81.1	79.9	61.05	81.7
14.15	26.080	27.13	16.56	28.68	81.1	79.9	61.10	81.7
14.30	25.943	26.87	16.55	28.50	81.1	79.9	61.10	81.6
14.45	26.492	26.87	16.55	28.55	81.2	79.8	61.10	81.6
15.00	26.492	27.13	16.57	28.70	81.4	79.9	61.05	81.6
15.15	26.766	27.91	16.83	28.92	81.5	80.0	60.90	81.6
15.30	27.384	28.01	17.19	29.45	81.7	80.0	60.75	81.7
15.45	25.875	26.87	17.13	29.30	81.9	80.0	60.70	81.9
16.00	26.286	27.13	17.17	29.40	82.0	80.0	60.65	82.0
16.15	25.737	25.97	17.64	29.85	82.1	80.0	60.42	82.0
16.30	25.051	25.82	17.12	29.32	82.3	80.0	60.45	82.0
16.45	24 363	25.56	17.09	29.25	82.6	80.1	60.32	82.2
17.00	23.816	24.77	17.43	29.78	82.7	80.3	60.25	82.3
17.15	22.991	23.99	17.78	30.12	83.2	80.4	59.98	82.5
17.30	22.305	23.21	17.73	30.12	83.4	80.5	59.98	82.8
17.45	21.688	22.83	17.80	30.15	83.6	80.7	60.00	83.0
18.00	21.415	22.52	18.10	30.62	83.7	80.9	59.78	83.1
18.15	21.139	22.83	18.12	30.70	83.8	81.0	59.82	83.2
18.30	20.590	21.64	18.50	31.18	83.9	81.1	59.75	83.2

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Sept. 2nd.	18.45	20·110	21·26	18.57	31.28	83°9	81°2	59.72	83°2
	19.00	19.699	20.59	18.56	31.36	83.8	81·1	59.75	83.2
	19.15	19.150	19.91	18.52	31.32	83.8	81.1	59.78	83.2
	19.30	18.738	19.91	18.47	31.18	83.6	81.1	59.82	83.1
	19.45	18.395	19.81	18·51	31.30	83.3	80.9	59.85	83.0
	20.00	17.915	19·69	18.51	31.20	83.1	80·6	59.82	82.8
	20.15	17.778	19.28	18.55	31.20	83.0	80·6	59·88	82·8
	20.30	17.435	18.76	18.45	30.94	83.0	80.6	59.90	82·8
	20.45	17.298	18.76	18.36	31·00	83.1	80.5	60.00	82.8
	21.00	16·886	18.55	18.35	31.10	83·2	80.5	59.90	82.9
	21.15	17.298	18·76	18.37	31·13	83.1	80.6	60.00	82.9
	21.30	17.435	19.28	18.41	30.90	83·0	80.7	60.00	82.9
	21.45	17.092	19.28	18.15	30.95	83.0	80.7	60.10	82.9
	22.00	17·778	19.54	18.25	30·90	83.0	80.6	60.12	82.8
	22.15	17·709	19.81	17.95	30.40	83.1	80·6	60.20	82.7
	22.30	18.121	19.38	17.97	30.78	83.2	80.7	60·30	82·9
	22.45	18.807	20.33	17.95	30.55	83.4	80.8	60.40	82.9
	23·00	19.356	20.33	17.70	30.40	83.6	80.9	60.50	83.0
	23.15	19·150	20.64	17.67	30.34	83.7	81.0	60.45	83.0
	23.30	20.110	21·33	17.55	29.80	83.7	81.1	60 50	83.1
	23.45	20.385	21.38	17.33	29·80	83.8	81·2	60.60	83.1
Sept. 3rd.	0.00	20.865	21.90	17.45	30.80	83.8	81.4	60.60	83.2
Sept. 4th.	23.00	19.973	21.48	18.35	31.04	83·5	80·4	60.02	83.3
	23.15	20.453	22.16	17.78	30.35	83.5	80.5	60·08	83.3
	23.30	22.032	24.19	16.96	29.38	83.3	80.4	60.28	83.3
	23.45	22.032	23.99	16.72	29.18	83.0	80.1	60.18	83.1
Sept. 5th.	0.00	22·101	24.25	16.32	28.75	82.6	80.0	60.10	82.9
	0.15	23.267	25.19	16.54	28.90	82.2	80.0	60·17	82.6
	0.30	23.677	25.56	16.41	28.65	82.0	80.0	60.17	82.3
	0·45	24.090	25.87	16.27	28.58	82.0	80.0	60.22	82.3
	1.00	24.021	25.76	16.42	28.70	81.9	79.8	60.20	82,2
	1.15	24.159	25.76	16.30	28.50	81.5	79.6	60.22	82.1
	1.30	24.570	26·26	16.38	28.61	81.3	79.6	60.24	82.1
	1.45	25.120	26.87	16.56	28.78	81.2	79.5	60.25	82.1
	2.00	25.394	27.18	16.46	28.72	81.0	79.3	60.30	82.0
	2.15	25.120	26.81	16.57	28.85	80.7	79.0	60.27	81.8
	2.30	25.846	25.76	16.71	28.99	80.3	78.5	60.24	81.5
	2·45	25.502	25.28	16.84	29·19	80.1	78.4	60.20	81.1
	3.00	22.991	25.64	17.10	29.45	80.1	78.2	60.10	81.1
	3.15	22.101	24.14	17.15	29.51	80.1	78.2	60.12	81.1
	3.45	21.758	23.52	17.10	29·45	80.2	78.2	60.25	81.1
	4.00	21.963	23.73	16.90	29.18	80.2	78.2	60.34	81.0
	4.15	22.649	24.71	16.64	28·85	80.3	78.3	60.52	81.0
	4.30	22.787	24.51	16.53	28.70	80.4	78.5	60·53	81.1
	4.45	22.854	24.40	16.40	28.60	80.6	78.5	60.52	81.1
	5.00	22.991	23.99	16.52	28.80	80.8	78.7	60.50	81.2
	5.15	22.923	24.61	16.69	29.05	80.9	78.9	60.58	81.2
	5.30	22.540	25.04	17.32	29.70	80.9	79.0	60.55	81.2
	5.45	23.718	23.67	17.72	30·25	80.9	79.1	60.30	81.2
	6.00	22.101	23.99	17.81	30·24	80.9	79.2	60.40	81.2
	6.15	22.101	23.05	17·75	30.20	80.9	79.2	60.52	81.2
	6.30	21.963	23.21	17.65	30.10	80.8	79.2	60.50	81.1
	6.45	21.758	23.21	17.59	30.00	80.7	79.1	60·40	81.1
	7·00	21.032	23.47	17.57	29·94	80.5	79.0	60.52	81.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Sept. 5th. 7.15	22'305	23'88	17.54	29.86	80°5	79°0	60.60	81°0
7.30	22.512	23.99	17.45	29.76	80.5	79.0	60.60	81.0
7.45	22.581	24.25	17.45	29.75	80.6	79.0	60.55	81.0
8.00	22.787	24.25	17.45	29.76	80.5	79.0	60.50	81.0
8.15	22.787	24.30	17.48	29.80	80.4	78.9	60.52	81.0
8.30	22.854	24.40	17.51	29.88	80.3	78.8	60.55	80.9
8.45	22.923	24.40	17.52	29.88	80.3	78.8	60.58	80.9
9.00	22.854	24.40	17.61	29.94	80.2	78.8	60.62	80.9
9.30	22.718	24.25	17.76	30.18	80.1	78.6	60.70	80.8
10.00	22.649	24.25	17.96	30.45	79.9	78.1	60.88	80.3
10.30	22.444	24.09	18.21	30.65	79.7	78.0	60.92	80.2
11.00	22.512	24.25	18.20	30.55	79.8	78.0	61.05	80.2
11.30	22.787	24.40	18.21	30.55	79.9	78.0	61.12	80.2
12.00	23.267	24.61	18.22	30.58	79.9	78.0	61.20	80.2
12.30	23.540	25.19	18.29	30.67	79.9	78.0	61.20	80.2
13.00	24.021	25.56	18.30	30.70	79.9	78.0	61.22	80.2
13.30	24.570	25.92	18.21	30.57	79.8	78.0	61.24	80.1
14.00	25.600	26.92	18.16	30.54	79.9	78.0	61.25	80.0
14.30	25.737	27.65	18.23	30.73	79.9	78.0	61.27	80.0
15.00	25.875	27.75	18.30	30.80	80.0	78.0	61.12	80.0
15.30	25.875	27.39	18.40	30.81	80.0	78.0	60.92	80.1
16.00	24.914	26.18	18.57	31.00	80.0	78.0	60.90	80.1
16.30	23.953	25.45	18.80	31.30	80.0	78.0	60.50	80.2
17.00	22.854	24.40	19.30	31.92	80.3	78.0	60.22	80.3
17.30	21.415	22.95	19.59	32.20	80.6	78.1	59.94	80.4
18.00	19.699	21.11	19.58	32.22	81.0	78.3	59.90	80.9
18.30	18.464	20.07	19.55	32.22	81.4	78.6	59.80	81.1
19.00	17.298	19.02	19.49	32.20	82.1	79.4	59.82	81.7
19.30	16.269	17.72	19.42	32.20	82.9	79.8	59.78	82.0
20.00	16.200	17.45	19.15	31.90	83.0	80.0	59.74	82.2
20.30	16.200	18.13	18.98	31.75	83.0	80.0	59.85	82.3
21.00	16.474	18.24	18.70	31.44	83.4	80.4	59.95	82.8
21.30	16.406	17.98	18.60	31.35	83.5	80.6	59.82	83.2
22.00	17.984	19.91	18.05	30.50	83.4	80.6	59.95	83.3
22.30	18.532	20.43	18.03	30.48	83.4	80.6	59.98	83.3
23.00	20.453	22.00	17.34	29.85	83.5	80.7	60.25	83.4
23.30	20.179	22.16	17.06	29.48	82.4	80.0	60.12	83.0
Sept. 6th. 0.00	20.110	22.00	17.23	29.60	81.9	79.8	60.15	82.1
0.30	20.042	21.58	17.55	29.92	81.9	79.8	60.10	82.1
1.00	20.659	22.42	17.50	29.88	81.7	79.8	60.25	82.0
Oct. 12th. 3.00	24.159	24.87	16.81	30.82	83.0	80.7	62.70	84.2
3.15	25.600	26.18	16.30	30.36	82.9	80.5	62.75	84.0
3.30	26.012	26.34	15.82	29.90	82.8	80.4	62.72	83.9
3.45	26.286	26.81	15.76	29.72	82.8	80.4	62.68	83.8
4.00	28.001	29.32	15.12	29.05	82.6	80.3	62.88	83.7
4.15	28.550	29.22	13.56	27.70	82.6	80.3	63.04	83.7
4.30	28.756	29.27	13.37	27.00	82.5	80.2	63.00	83.6
4.45	27.864	27.54	11.96	26.00	82.5	80.2	62.87	83.6
5.00	26.492	26.61	10.26	24.55	82.4	80.1	62.92	83.4
5.15	26.149	26.61	9.70	24.05	82.3	80.0	62.79	83.3
5.30	25.600	26.61	9.85	23.85	82.2	80.0	62.75	83.1
5.45	27.047	28.01	9.28	23.60	82.2	80.0	62.93	83.1
6.00	30.471	30.99	8.27	22.98	82.0	80.0	63.25	83.1
6.15	32.667	33.41	7.18	22.27	82.0	80.0	63.33	83.0
6.30	32.079	33.14	7.70	22.45	81.9	79.9	63.28	83.0
6.45	30.471	30.79	8.71	22.76	81.8	79.9	62.86	83.0

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 12th.	7.00	29·030	29·22	9.05	23.00	81·6	79·7	62.76	82·9
	7·15	29.853	30.00	8.89	22.82	81·5	79.5	62.96	82.9
	7.30	29.305	29.53	8.98	22.98	81.4	79.4	63.00	82.9
	7.45	29.373	28.28	9.32	23.12	81.3	79·3	63.00	82.9
	8.00	28.344	28.55	9.88	23.55	81.3	79·1	62.94	82.8
	8·15	27.590	27.39	10.52	24·05	81·3	78.8	62.96	82.6
	8.30	27.109	27.23	10.85	24.15	81.2	78.7	63.00	82.5
	8.45	26.904	27.18	11.35	24.45	81.1	78.6	63.05	82.4
	9.00	26.218	26.87	11.76	24.75	81.1	78.6	63.05	82.3
	9.15	26.080	26.81	12.14	24.95	81.1	78.5	63.05	82.3
	9.30	26.080	26.81	12.16	24.95	81.0	78.5	63.08	82·2
	9.45	26.149	26.81	12·52	25.26	80.7	78.3	63.05	82.1
	10.00	25.532	25.56	12.98	25.82	80.9	78·1	63.02	82.1
	10.15	24.796	25.14	13.79	26·26	80 8	78.0	63.02	82.1
	10.30	24·796	25.14	14.08	26.45	80.8	77.9	63.05	82.1
	10.45	25.532	26.15	13.92	26·35	80.7	77.8	63·10	82.1
	11.00	25.493	25.82	13.88	26.35	80.7	77·8	63.12	82.0
	11.15	24.983	25.66	14.29	26.72	80.6	77.6	63.05	81·9
	11.30	25.326	25.66	14.43	26.82	80.5	77.5	63.02	81.8
	11.45	25 394	25.82	14.60	26.95	80.5	77.5	63.02	81·8
	12.00	25.532	25.92	14.67	27.00	80.5	77.4	63.00	81.8
	12.15	25.669	25.56	14.72	27.08	80.5	77.4	63.00	81.8
	12.30	25.806	25.68	14.79	27.12	80.5	77.4	63.02	81.8
	12.45	25.463	25.68	14.93	27.22	80.5	77·4	63·02	81.8
	13.00	25.669	26·28	15.02	27.26	80.5	77.4	63·05	81.8
	13.15	25.875	26.28	15.02	27·28	80.5	77.4	63.05	81.7
	13.30	25·737	26.34	15.13	27.42	80·5	77.4	63.05	81.7
	13.45	26.149	26.71	15.23	27.50	80.5	77.4	63·08	81.7
	14.00	26.149	27.23	15.32	27.55	80.5	77.4	63.08	81.7
	14.15	26.218	26.87	15.33	27.58	80.5	77.3	63.05	81.6
	14.30	26.149	26.87	15.36	27.60	80.4	77.3	63.05	81.5
	15.00	25.943	26.28	15.37	27.74	80.6	77.3	62.92	81.4
	15.15	25.943	26.81	15.50	27.82	80.6	77.2	62.92	81.4
	15.30	25.875	26.39	15.53	27.90	80.7	77.2	62.86	81.5
	15.45	25.669	26.13	15.74	27.98	80.9	77.3	62.85	81.5
	16.00	25.532	25.82	15.80	28.05	80·9	77.4	62.78	81.7
	16.15	25.257	25.56	15.93	28.15	81.2	77.8	62.80	81.7
	16.30	24.846	25.24	16.04	28.24	81.4	78.0	62·73	81.9
	16.45	24.639	24.87	16.13	28.31	81.8	78.0	62.70	82.0
	17.00	24.021	24.40	16.18	28.40	82.0	78·1	62.70	82.0
	17.15	23.746	23.99	16.23	28.42	82.2	78.1	62.66	82·1
	17.30	23.335	23.21	16.29	28.49	82.5	78.3	62.70	82·3
	17.45	22.991	23.73	16.27	28.49	82.8	78.6	62.68	82.4
	18.00	22.787	23.21	16.24	28.52	83.1	78.9	62·64	82.8
	18.15	22.512	22.95	16.29	28.62	83.4	79.1	62.60	83.1
	18.30	21.963	22.42	16.43	28.71	83·4	79.3	62.57	83.2
	18.45	21.758	22·21	16.52	28.83	83.4	79·6	62.48	83.4
	19.00	21·071	21.48	16.63	28.92	83.4	79.9	62.45	83.4
	19.15	20.453	20.85	16.71	29.03	83.4	80.0	62.49	83.4
	19.30	20.316	20.59	16.80	29.10	83.6	80.0	62.48	83.4
	19.45	20.179	20.59	16.84	29.14	83.8	80.1	62·40	83.5
	20.00	20.316	20.74	16.88	29.18	83.9	80.4	62.51	83.5
	20.15	20.385	21.00	16.89	29·20	84·0	80.5	62.58	83.7
	20.30	20.522	21.21	16.83	29.20	84.0	80.9	62.62	83.9
	20.45	20.522	21.21	16.80	29.20	84.1	80·9	62.66	84.1
	21.00	20.796	21.48	16.79	29.20	84.1	81.0	62·65	84·1
	21.15	21.002	21.79	16.76	29.19	84·1	81.1	62.66	84.2
	21.30	21.415	22.16	16.70	29.15	84.2	81.2	62.68	84.3
	21.45	21.895	22.42	16.60	29.08	84.2	81.4	62.70	84.4
	22.00	22.168	22.83	16.61	29.08	84.3	81.7	62.72	84.6

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 12th.	22.15	22·512	22·95	16.61	29.14	84°4	81°9	62·72	84°9
	22.30	22.581	23.15	16.63	29·15	84.5	82.0	62.72	84.9
	22.45	22.787	23.36	16.65	29.15	84.5	82.1	62.70	85.0
	23.00	22.787	23.47	16.62	29.15	84.6	82.2	62.68	85.1
	23.15	22·787	23.47	16.62	29·18	84.5	82.2	62·68	85.1
	23.30	22.787	23.87	16.65	29.20	84.5	82.2	62 66	85.2
	23·45	22.718	23.26	16.69	29.24	84.4	82.1	62.66	85·2
Oct. 13th.	0.00	22.649	23.26	16.67	29.24	81.2	81.9	62.65	85.2
	0.15	22.444	22.95	16.74	29.30	84.0	81.7	62.70	85.0
	0.30	22.237	22.62	16.80	29.34	83.7	81.7	62.68	85.0
	0.45	22.032	22.52	16.87	29.38	83.4	81.6	62.65	84.8
	1.00	21.895	22.52	16.93	29·42	83.2	81.3	62.58	84.5
	1.15	22.101	22.68	16.92	29.45	82.9	81.2	62.62	84·4
	1.30	21.895	22.68	16.89	29.45	82.7	81.0	62.68	84.2
	1.45	22.032	22.68	16.89	29.50	82·5	80·9	62.70	84.0
	2.00	22.444	23.15	16.90	29.52	82.4	80.7	62.70	83.8
	2.15	22.854	23.36	17.04	29.60	82.3	80.6	62·82	83.7
	2.30	23.060	23.47	17.12	29·65	82.0	80.5	62.90	83.5
	2·45	23·198	23.57	17.16	29·70	82.0	80.2	62.90	83.5
	3.00	23.130	23.57	17.20	29.74	81.9	80.0	62.85	83·2
	3.15	23.130	23.47	17·24	29.76	81.8	80.0	62.83	83.1
	3.30	22.923	23·67	17.26	29.75	81.5	80.0	62.82	82.8
	3.45	22.933	23.57	17.25	29.75	81.5	80.0	62.82	82.8
	4.00	22.787	23.05	17.30	29.78	81.3	80.0	62.85	82.6
	4.15	22.718	22.95	17.36	29.82	81.1	80.0	62.90	82.5
	4.30	23.060	23.05	17.40	29.86	81·1	79.9	62.86	82.4
	4.45	22.787	23.05	17.45	29.90	81.0	79.9	62.88	82.4
	5.00	22.718	22.95	17.44	29.90	81.0	79·9	62.94	82.4
	5.15	22.581	22.68	17.49	29 96	81.0	79.9	62.93	82·4
	5.30	22.787	23.15	17.43	29.91	80.9	79.8	62.90	82.3
	5.45	23.060	23.36	17.50	29.95	80.8	79.8	62.94	82.3
	6.00	23.130	23.47	17.49	29.98	80.7	79.7	62.95	82.1
	6.15	22.991	23.47	17·58	29.98	80.7	79.7	62.93	82.0
	7.00	22.923	23.21	17·75	30·15	80.4	79.3	63.00	81.7
Oct. 17th.	20.00	22.991	23.21	18.07	30.80	82.3	79.0	63.30	81.9
	20.15	23.130	23·73	18.01	30.65	82.5	79.3	63.25	81.9
	20.30	23.609	24.25	17·68	30.48	82.6	79.3	63.28	82.0
	20.45	24.021	25.04	17·22	30.20	82.8	79.5	63.28	82.0
	21.00	24.363	25.14	17.20	30·05	82.9	79.6	63.32	82.2
	21.15	24.776	25.19	16.61	29·72	83.0	79.7	63.42	82.3
	21.30	23.677	24.25	16.80	29.80	83.1	79.8	63.28	82.5
	21.45	23.746	24.51	16.65	29.70	83.2	80.0	63.25	82.7
	22.00	24.983	25.45	16.09	29.32	83.3	80.0	63.32	82.8
	22.15	24.707	25.04	15.91	29.10	83.3	80.0	63.20	83.0
	22.30	24.363	25.04	15.95	29.15	83.3	80.0	63.20	83.0
	22.45	24.707	25.14	15·63	28.90	83.3	80.1	63.20	83.1
	23.00	24.502	24.77	15.54	28.85	83.3	80.1	63.18	83.1
	23.15	24.914	25.35	15 28	28.53	83.2	80.1	63.18	83.2
	23.30	24.983	25.14	15.07	28.48	82.2	80.2	63.20	83.3
	23.45	23.816	24.09	15.21	28.45	82.1	80.1	63.15	83.3
Oct. 18th.	0.00	24.570	25·14	14.95	28.34	82.0	80.0	63.12	83.4
	0.15	25.532	25.87	14.81	28.15	82.8	80.0	63.12	83.3
	0.30	25.257	25.56	14·84	28.18	82.6	80.0	63.12	83.3
	0.45	25.257	25.56	14·80	28.15	82.5	80.0	63.12	83.3

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 18th. 1.00	23·609	24·09	14·65	27.88	82°1	79°8	63.10	83°0
1.15	23.060	23.57	14.46	27.75	81.9	79.7	63.10	82.9
1.30	23·198	23.57	14.46	27.72	81.8	79.7	63.15	82.9
1.45	23.404	23.78	14.76	27.85	81.5	79.3	63.10	82.6
2.00	23.267	23.78	14.75	27.78	81.3	79.2	63.15	82.4
2.15	23.816	24.51	14.66	27.84	81.2	79.1	63.20	82.3
2.30	23.746	24.30	15.15	28.15	81.1	79.0	63.20	82.2
2.45	23.746	24.30	15.30	28.26	81.0	79.0	63.15	82.1
3.00	24.090	24.30	15.24	28.22	80.9	79.0	63.25	82.1
3.15	24.090	24.30	15.13	28.10	80.9	79.0	63.28	82.1
3.30	24.502	24.97	15.08	28.08	80.8	78.8	63.30	81.9
3.45	24.846	25.14	15.06	28.05	80.7	78.7	63.25	81.9
4.00	24.983	25.45	15·00	28.02	80.6	78.6	63.22	81.9
4.15	24.915	25.45	15.00	28.00	80.5	78.6	63.29	81.7
4.30	24.776	25.56	15.02	28.00	80.4	78.4	63.25	81.5
4.45	25.051	25.56	15.10	28.04	80.3	78.4	63.32	81.4
5.00	25.120	25.45	15.24	28.16	80·1	78·3	63.30	81.4
5.15	24.846	25.45	15.34	28.25	80.0	78.2	63.31	81.3
5.30	25.189	25.87	15.44	28.40	80.0	78.1	63.24	81.1
5.45	25.737	26.13	16.46	29.05	80.0	78.1	63.19	81.0
6.00	25·669	25.82	16.63	29.15	79.9	78.0	63 20	81.0
6.15	24.570	24.77	16.57	29.05	79.8	78.0	63.19	81.0
6.30	24.159	24.97	16.36	28.98	79.8	78.0	63.15	81.0
6.45	24.432	24.87	16.50	29.00	79.7	78.0	63.10	80.9
7.00	24.639	25.56	16.48	29.00	79.6	78.0	63.10	80.9
7.15	24.914	25.56	16.52	29.04	79.5	77.9	63.14	80.8
7.30	25.189	25.45	16.54	29.04	79.4	77·9	63.17	80.8
7.45	24.619	25.45	16.55	29.03	79.3	77.9	63.22	80.6
8.00	24·983	25 30	16.59	29.12	79.2	77.8	63.27	80.6
8.15	25.267	25.55	16.65	29.18	79.2	77.5	63.28	80.6
8.30	25.267	25.56	16.77	29.26	79·2	77.5	63.30	80.6
8.45	25.267	25.56	17.23	29.60	79.1	77.3	63.28	80.5
9.00	24.570	25.30	17.47	29.72	79.0	77.2	63.22	80.4
9.15	24.363	24.25	17.53	29.85	79.0	77.0	63.15	80.3
9.30	23.677	23.99	17.64	29.95	78.9	76.8	63.20	80·2
9.45	24.363	24.77	17.75	29.96	78.9	76.8	63.28	80.1
10.00	24.570	24.77	17.68	29.88	78·9	76.8	63.28	80.1
10.15	24.295	24.77	17.65	29·88	78.8	76.7	63.28	80.0
10.30	23.816	24.61	17.70	29.95	78.6	76.7	63.28	79.9
10.45	24.159	24.61	17.90	30.05	78.6	76.7	63.25	79.9
11.00	24.159	24.61	17.74	29.95	78.6	76.6	63.25	79.9
11.15	24·159	24.61	17.91	30·10	78.5	76.6	63.25	79.8
11.30	24.159	24.61	17.93	30·10	78.5	76·6	63.26	79.8
11.45	23.816	24.30	17.91	30·12	78·5	76.5	63.26	79.6
12.00	24.090	24.30	17.94	30·12	78.4	76.3	63.28	79.5
12.15	23.816	23.99	17·92	30·08	78.4	76.2	63.25	79.5
12.30	23·473	23.73	17.85	30·05	78.3	76.1	63.20	79.4
12.45	23.267	23.68	17.82	30·02	78.3	76·0	63.22	79.4
13.00	22.923	23.57	17.77	29·95	78.3	76.0	63.22	79.4
13.15	22.845	23.57	17.75	29·95	78.3	76.0	63.20	79.4
13.30	23.473	23.73	17.80	29.98	78.3	76.0	63.25	79.4
13.45	23·609	23.99	17.84	30.00	78.3	76.0	63.28	79.4
14.00	23·816	24.77	18.03	30.12	78.3	75.9	63.30	79.4
14.15	24.226	25.14	18·05	30.18	78.4	75.9	63.32	79.3
14.30	24.295	25.14	18.08	30.20	78.5	75.9	63.32	79.3
14.45	24.570	25.30	18·06	30.20	78.7	76.0	63·28	79.3
15.00	24.570	25.35	18.05	30.18	78.8	76.0	63·30	79.4
15.15	24.570	25.35	18.01	30.14	79.0	76.1	63.28	79.6
15.30	24·502	25.35	18.03	30.20	79.0	76.1	63.26	79.6
15.45	24.639	25.35	18.07	30.22	79.1	76.1	63.25	79.6

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 18th.	16.00	24.570	25·35	18.09	30.22	79°2	76°3	63.25	79°6
	16.15	24.363	25.51	18.05	30.23	79.4	76.3	63.24	79.9
	16.30	23.884	24.25	18.37	30.43	79.9	76.8	63.19	80·0
	16.45	23.816	24.51	18.55	30.60	80.0	76.9	63.16	80.0
	17.00	23.816	24.09	18.57	30.65	80.2	77.2	63·08	80.0
	17.15	23.609	23.99	18.54	30.72	80.6	77.4	63.04	80·1
	18.00	22.444	22.95	18.51	30.65	81.6	78.0	63.04	80.1
Oct. 21st.	1.00	24.295	24.25	16.88	29.75	83.3	80.2	62.82	83.8
	1.15	24.159	24.71	16.15	29.32	83.2	80.2	62.82	83·8
	1.30	24.432	24.77	15.92	29.08	83.0	80·0	62.95	83.6
	1.45	24.502	24·77	15.60	28.82	82.8	80.0	62.95	83.5
	2.00	25.326	26.34	15.05	28.55	82·6	80.0	62.95	83.3
	2.15	25.600	26.08	15.40	28.72	82.4	79.9	62.95	83.2
	2.30	24.983	25.30	15.40	28.72	82·4	79.9	62.92	83.1
	2·45	24.983	25.30	15.00	28.35	82·3	79.8	62.94	83.0
	3·00	25.257	25·76	14.96	28.34	82.2	79.8	62.92	83.0
	3.15	25.051	25.56	14.98	28.34	82.2	79.8	62.95	82.9
	3.30	25.532	25.87	15.18	28.45	82.2	79.8	62·98	82.9
	3.45	25.394	25.76	15.20	28.45	82.2	79·8	62·98	82.8
	4.00	24.983	25.35	15.35	28.52	82.1	79.8	63.00	82.8
	4.15	23.884	23·47	15.26	28.41	82.0	79.8	63.02	82.8
	4.30	24.090	24.51	15.15	28.30	82.0	79.8	63·01	82.8
	4.45	24.090	24.25	15.00	28.25	82.0	79·8	63.00	82.8
	5.00	23.404	24.25	15.77	28.70	82.0	79·8	62.97	82.6
	5.15	23.677	24.51	15.94	28.85	81.9	79.8	62.98	82.6
	5.30	24.090	25.30	16.06	28.86	81.9	79·8	62.92	82.6
	5.45	24.159	24.51	16.05	28.80	81.8	79·8	62.96	82.5
	6.00	24·432	25.04	16.50	29.25	81.8	79.8	63.00	82.5
	6·15	24.159	24.51	16.95	29.45	81.7	79.8	63.02	82.5
	6.30	24.159	24.77	16.73	29.30	81.7	79.8	63.02	82.4
	6.45	24.776	25.56	16.71	29.30	81.6	79.8	63.04	82.4
	7.00	24.846	25.56	16.66	29.25	81.4	79.7	63.07	82·4
	7.15	24.846	25.45	16.61	29.25	81·3	79.5	63.05	82·3
	7.30	24.570	25.45	16.59	29.25	81·3	79.4	63.04	82.2
	7.45	24.159	24·92	16.67	29.27	81.3	79.3	63.05	82.2
	8.00	24.159	24.77	16·83	29.27	81.2	79.2	63.07	82.1
	8.15	24.216	24.61	16.83	29.34	81·2	79.0	63.07	82.2
	8.30	24.159	24.61	16.86	29.34	81.1	78.9	63.08	82.2
	8.45	24.159	24.61	16.86	29.34	81.0	78.8	63·08	82.2
	9.00	24.090	24.61	16.93	29.44	80.9	78.8	63.06	82.1
	9.15	24.090	24.61	16.96	29.46	80.8	78.7	63·05	82.0
	9.30	23.816	24.40	17·20	29.65	80.7	78·6	63.05	81.8
	9.45	23.816	24.40	17.37	29.78	80.6	78.5	63.08	81.7
	10.00	23.884	24.61	17.36	29.75	80.5	78.3	63.15	81.6
	10·15	23.963	24.61	17.30	29.68	80.4	78·1	63.15	81.5
	10.30	23.963	24.61	17.30	29.66	80·3	78.0	63.15	81.5
	10.45	23.816	24.30	17.35	29.66	80.2	78.0	63.15	81.3
	11·00	23.677	24.25	17.30	29.64	80.2	77.9	63.15	81.3
	11.15	23.543	24.25	17.37	29.70	80.1	77.9	63.15	81.2
	11.30	23.953	24.71	17.25	29.62	80.1	77.9	63.15	81.2
	11.45	24.159	24.77	17.19	29.47	80.1	77.9	63.15	81.2
	12.00	24.021	24.30	17.25	29.55	80.1	77.8	63.15	81.2
	12.15	23.884	24.25	17·26	29.55	80.1	77.8	63.16	81.2
	12.30	23.884	24.25	17.28	29.60	80.0	77.7	63.16	81.2
	12.45	23.677	24.30	17.30	29·62	80.0	77.7	63.15	81.1
	13.00	24.090	25.04	17.34	29.60	79.9	77.7	63.12	80.9
	13.15	24.432	25.14	17.41	29.65	79·9	77.7	63.15	80.8
	13.30	24.211	25.04	17.52	29.70	79.8	77.6	63.16	80·7

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sec. Read. Uncorrected.	
Oct. 21st.	13.45	24.432	25·14	17.70	29.75	81.7	77.6	63.18	80.5
	14.00	24.295	24.92	17.98	29.65	81.7	77·6	63.16	80.5
	14.15	24.295	24.92	17.50	29.65	81.7	77.6	63.15	80.4
	14.30	24.432	24.92	17.45	29.68	81.9	77·6	63.18	80.5
	14.45	24.295	24.77	17.50	29.70	80.0	77.7	63.18	80.5
	15.00	24.432	25.14	17·46	29.72	80.2	77.7	63.16	80.6
	15.15	24.432	25.14	17.52	29.75	80·4	77·7	63.20	80.7
	15.30	24.570	25.14	17·56	29·76	80.5	77.8	63.18	80.9
	15.45	24.707	25.09	17.60	29.82	80.7	77.8	63.20	81.0
	16.00	24.432	24.97	17·70	29.86	80·8	77.9	63.15	81.0
Nov. 13th.	0.00	23.404	23.73	16.50	30.72	87·0	82.8	28.30	87.0
	0.30	23.130	23.62	16.50	30.72	86·3	82.8	28.40	86.8
	1.00	22.991	23.47	16.50	30.72	85.7	82.5	28.45	86.3
	1.15	22.512	23.21	16.56	30.72	85.0	82.3	28.55	85.9
	1.30	22.991	23.47	16·50	30.70	85·0	82.1	28.60	85.6
	2.00	22·854	23.21	16.35	30.55	84.7	82.0	28.68	85.3
	2.15	23.060	23.47	16.32	30.55	84.5	82.0	28 70	85.2
	2.30	23.305	23·73	16.26	30.50	84.4	81·9	28.76	85.1
	2.45	23.540	23.88	16.30	30.52	84.3	81·9	28.82	85.1
	3.00	23.609	23·99	16.35	30.55	84.3	81.8	28.78	85.0
	3.30	23·816	24·25	16·40	30.55	84.1	81.6	28.82	84.9
	3.45	23.609	23.99	16.34	30.50	84.1	81.6	28.80	84.8
	4.00	23.746	24.25	16.30	30.48	84.0	81.5	28.82	84.8
	4.15	23.746	24.25	16·32	30.48	84.0	81.5	28.85	84.7
	4.30	33.746	24.25	16·32	30.48	83·9	81·4	28.85	84.6
	4.45	23.609	24.25	16.25	30.42	83.9	81.3	28.95	84.6
	5.00	23.953	24·25	16.25	30.42	83.9	81.2	28.95	84.5
	5.15	23.677	24.25	16.29	30·45	83.9	81.2	28.95	84.5
	5.30	23.953	24·30	16.35	30.48	83.8	81.2	28.98	84.4
	5.45	24.159	24.56	16.42	30.52	83.6	81.1	28.98	84.4
	6.00	24·502	24.77	16.46	30.55	83.5	81.1	29.00	84.3
	6.15	24.363	24.71	16.88	30.82	83·4	81.0	29.00	84.3
	6.30	24·295	24.66	17·32	31.08	83.4	81.0	28.98	84.2
	6.45	24.363	24·71	17.40	31.15	83·3	81.0	29.00	84.1
	7.00	24.502	24.77	17.47	31.02	83.3	80.9	29.06	84.1
	7.15	24.639	25.04	17.45	31.00	83.2	80.9	29.08	84.1
	7.30	24.639	25·04	17.32	30.98	83.2	80.8	29.08	84.0
	7.45	24.776	25.19	17.20	30.94	83.1	80·7	29.12	84.0
	8.00	24.707	24.92	17.18	30.94	80.0	80.7	29.05	83.8
	8.15	24.432	24.77	17.27	30·97	82.9	80.4	29.07	83.8
	8.30	24.226	24.51	17.34	31.02	82.8	80.3	29.04	83.8
	8.45	24.295	24.56	17.39	31.03	82.7	80.2	29.05	83.8
	9.00	24.159	24.71	17.47	31.00	82.6	80.1	29.05	83.8
	9.15	24.226	24.51	17.38	31.02	82.6	80.0	29·06	83·8
	9.30	24.096	24.40	17.45	31.01	82.5	80.0	29·05	83.8
	9.45	23.746	24.35	17·59	31.11	82·6	80.0	29.05	83.7
	10.00	23.335	24.09	17.78	31.24	82.7	80.0	29.05	83.5
	10.15	23.540	24.25	17.80	31.28	82.8	80.0	29.09	83.5
	10.30	23.473	24.30	17.84	31.30	82.9	80.0	29.15	83.5
	10.45	23.816	24.40	17·68	31.22	82.9	80.0	29.18	83.5
	11.00	24.021	24.51	17.75	31·24	83.0	80.0	29.20	83.5
	11.15	23.953	24.35	17.72	31.22	83.0	80.0	29.14	83.5
	11.30	23.746	34.25	17.70	31.20	83·0	80.0	29.09	83.4
	11.45	23.677	24.25	17.73	31.21	83·0	80.0	29.11	83.4
	12.00	23.473	24.14	17.78	31.23	82.9	79.9	29.15	83.4
	12.15	23.473	23.99	17.76	31·23	82·7	79.7	29 15	83.4
	12.30	23.473	23·99	17.75	31.23	82.5	79.6	29·15	83.4
	12.45	23.335	23.99	17.78	31.25	82.5	79.5	29.15	83.3

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination. Large. At Full Time.	Declination. Small. 5 min. after Full Time.	Horizontal Force Magnetometers. Large. 2 min. after Full Time.	Horizontal Force Magnetometers. Small. 4 min. after Full Time.	Horizontal Force Magnetometers. Thermometers. Large. H. F. M.	Horizontal Force Magnetometers. Thermometers. Small. S. H. F.	Vertical Force Magnetometer. 2 min. before Full Time.	Vertical Force Magnetometer. Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Nov. 13th. 13.00	23·198	23·88	17.81	31.25	82·4	79·5	29.12	83·3
13.15	23.130	23.78	17.85	31.25	82.4	79.4	29.12	83.3
13.30	23.060	23.68	17.88	31.25	82.4	79.4	29.12	83.2
13.45	22.943	23.47	17.98	31.30	83.4	79.3	28.90	83.2
14.00	22.787	23.21	18.05	31.35	82·4	79.3	28.70	83.2
14.30	22.032	22.52	18.05	31.38	82.5	79.2	28.70	83.2
Dec. 12th. 23.00	26.286	26.34	17.59	30.75	82.6	78.7	33.30	81.8
23.15	26.698	27.13	17.07	30.55	82.6	78.6	33.40	81.8
23.30	26.972	27.13	16.89	30.40	82.5	78.6	33.44	81.9
23.45	26.492	26.71	17.25	30.55	82.4	78.6	33.28	81.9
Dec. 13th. 0.00	26.423	26.34	17.39	30.62	82.2	78.5	33.40	81.9
0.15	25.806	25.56	17.25	30.50	82.0	78.4	33.32	82.0
0.30	25.189	25.50	16.95	30.30	81.9	78.4	33.30	82.0
0.45	25.120	25.04	16.45	30.08	81.4	78.3	33.30	82.0
1.00	24·502	24.51	15.95	29.70	81.2	78.3	33.32	82.0
1.15	23.473	23.35	15.50	29.45	81.0	78.2	33.32	81.9
1.30	24.983	24.77	15.70	29.50	80.8	78.2	33.34	81.7
1.45	24·502	24.25	15.19	29.20	80.5	78.1	33.36	81.4
2.00	23.953	23.99	14.90	29.00	80.2	78·0	33·30	81.2
2.15	25.600	26.08	14.58	28.70	80.0	78.0	33.75	81.0
2.30	26.629	26.08	13.58	28·90	79.9	78.0	33.88	81.0
2.45	25.875	26.08	13.83	28.92	79.8	78.0	33.52	81.0
3.00	26.149	25.56	14.41	28.55	79.5	77.9	33.54	80.5
3.15	25.943	25.56	15.15	28.80	79.4	77.9	33.50	80.3
3.30	25.394	25.56	15.55	29.00	79.3	77.8	33.50	80.0
3.45	25·120	25.45	15.71	29.09	79.2	77.7	33.55	80.0
4.00	25.051	24.51	15.85	29.15	79.1	77.6	33.60	80.0
4.15	24.502	23.73	15.94	29.19	79.0	77.5	33 67	80.0
4 15	24.502	24.51	16.05	29.22	78.9	77·3	33.85	79.9
4·45	24·159	24·25	16.00	29.20	78.9	77.1	33.79	79.8
5.00	24.226	24.25	16.25	29.40	78.9	77.0	33·75	79.7
5.15	25.394	25.14	16.57	29.50	78.8	76·9	33.77	79·6
5.30	25.737	26.08	16·50	29·49	78.7	76·8	33.90	79.5
5.45	25.532	25.76	16.59	29.49	78.7	76.7	33.79	79.4
6.00	25 189	25·45	16.69	29.65	78.6	76.7	33.45	79·4
6.15	25.394	25·30	17.02	29.90	78.5	76.6	33.55	79.2
6.30	25.943	26.34	16.87	29.65	78.5	76.5	33.82	79.2
6.45	27.109	27 23	16·36	29.46	78·5	76.3	34.16	79.2
7.00	28.962	28.44	15.87	29.10	78·4	76.1	34.35	79.1
7.15	28·619	28.80	15.34	28.90	78·2	76.0	34.05	79.0
7.30	28.138	28.18	16.17	28.39	78.1	76·0	33·75	79.0
7.45	28·687	28.70	16.69	29.60	78.0	76.0	33.75	79.0
8.00	28.207	28.28	16.98	29.72	78.0	76.0	33.75	78.7
8.15	28.394	28.44	16.88	29.68	78.0	76.0	33.74	78.7
8.30	27.512	27.54	16.70	29.62	77.8	75.9	33.40	78.5
8.45	27·512	27.39	16.68	29.60	77.7	75.9	33.52	78.4
9.00	26.012	25.97	16.36	29.40	77.5	75.7	33.24	78.3
9.15	25.875	25.92	16.32	29.40	77.5	75.7	33.25	78.2
9.30	25 532	25.82	16.42	29.45	77.5	75.6	33.29	78.1
9.45	25.326	25.56	16.48	29.50	77.4	75·6	33.30	78.1
10.00	25·139	25.30	16.83	29.56	77.3	75.5	33.31	78.0
10.15	25.051	25·14	16.95	29.62	77.1	75.5	33.30	77.9
10.30	24.846	25·14	17·11	29.68	77.0	75.4	33.28	77.8
10.45	24.295	24.61	17.16	29.72	76.9	75·2	33.25	77.7
11.00	25.884	23.99	17.25	29.88	76.7	74·6	33.22	77.6
11.15	25.884	23.99	17.32	29.90	76.4	74.3	33.25	77.4

DISTURBANCE OBSERVATIONS, 1859.

Date and Göttingen Mean Time.	Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Thermometers.			
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Dec. 13th. 11.30	23'816	23.73	17.41	29.95	76°0	74°1	33.32	77°3
11·45	23.609	23.57	17.45	29.95	75.8	74·0	33.34	77.1
12.00	23.473	23.47	17.52	29.98	75.5	73.9	33.40	77.0
12.15	22.991	22.68	17.50	30.00	75.4	73.9	33.42	77.0
12.30	23.130	22.95	17·65	30.04	75.3	73.7	33.43	77.0
12.45	22.787	22·88	17.70	30.09	75.1	73·5	33.60	76.9
13.00	22.444	22.68	17.76	30.11	74.9	73·3	34·00	76·7
13.15	21.551	22.68	17.92	30.14	74.7	73.0	34.01	76·6
13.30	22.718	22.51	18.00	30·18	74.6	72.7	34.03	76.5
13.45	22·444	22.62	18.13	30.20	74·5	72.6	34.05	76.4
14.00	22.787	22·42	18.17	30·23	74.4	72.3	33.67	76.3
14.15	21.758	21.79	18.35	30.35	74·4	72.3	33.45	76.1
14.30	21.482	21.26	18.45	30.42	74.4	72.1	33.35	76.1
14.45	20·933	20.69	18.65	30·54	74.2	72.0	33.45	76.0
15.00	20·865	20.69	18.55	30.62	74.3	71·8	33.51	75.7
15.15	20.728	20.59	18.90	30.70	74.4	71.7	33·50	75·5
15.30	21.139	20.85	19.00	30.73	74.5	71.8	33.46	75.6
15.45	21.139	21.26	18.17	30.67	74.8	71.8	33.90	75.8
16·00	21·415	21.38	19.06	30.75	75.1	72.1	33.90	76.0
16.15	24.502	21·64	18.97	30.70	75.7	72.1	33 90	76.0
16.30	21.688	21.79	19.03	30.85	76.1	72·2	33.90	76.2
16.45	21·826	22.95	19.28	30·80	76.5	72.4	33.64	76.3
17.00	22.444	22.95	18.95	30.76	77.0	72.6	34.00	76.3
17.15	22.444	22.95	19.02	30.80	77.4	72.8	33.89	76.7
17.30	22.374	22.95	19.02	30.83	78.0	73.0	33.80	76.9
17.45	22.649	22.83	19.02	30.90	78.4	73.1	33·88	77.0
18.00	22.581	22.95	19.25	31.09	78.8	73.5	33.80	77.3
18.15	23.130	22.95	19.25	31.10	79.2	73.8	33.90	77.4
18.30	23.677	23.47	19.27	31.11	79.6	74.0	33.92	78.0
18.45	23.609	23·99	19.05	31.00	79.7	74.0	33.95	78.0
19.00	23.746	23.99	19.09	31.00	80·0	74·2	33.81	78.4
19.15	23.953	23.99	19.15	31.25	80.0	74.4	33.90	78.7
19.30	24.090	24.09	19.05	31.02	80.0	74.7	33.80	78.9
19.45	24.226	24.51	18.93	30.95	80.1	75.0	33·82	79.0
20.00	24.295	24.51	18.94	30.99	80.5	75.2	33.80	79.0

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1859.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

UNDER this head are comprised the five Magnetic Elements :—

1st.—DECLINATION.
2nd.—HORIZONTAL FORCE.
3rd.—VERTICAL FORCE.
4th.—DIP OR INCLINATION.
5th.—TOTAL FORCE.

From the mean absolute values of these five elements, the Summary of the Results and the necessary data for the Disturbance Calculations have been principally extracted.

Observations of Inclinations were made twice a week, and the Observations of the Absolute Horizontal Force, as deduced from the Deflection Observations, were made generally once a week during this year.

From the peculiar position of the large Declinometer with reference to the Transit Instrument, each observation becomes an absolute determination of Declination.

By means of the absolute determinations of Dip and Horizontal Force, the mean values obtained from the Scale Readings of Horizontal Force and Vertical Force Magnetometers were duly corrected and registered in the Results ; from the values thus corrected, were calculated the Dip (deduced) and total Intensity.

Disturbance, or Abnormal Days, were scrupulously thrown out in finding the hourly and monthly mean values of each Element.

DECLINATION.

TABLE I.—*Mean Value of Absolute Easterly Declination, as obtained by Large Declination Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		0°20′706		0°21′285	0°21′223	0°20′925	0°20′773	0°21′065	0°23′902*		0°22′370	0°22′180
2	0°20′834	·20·405	0°20′619		·21·700	·20·765		·21·011	·22·585*	0°22′520*	·22·395	·22·750
3	·20·193	·20·719	·21·327	·20·488	·21·890	·21·477	·21·397	·21·051		·21·920	·22·486	
4	·20·666	·20·479	·21·191	·20·755	·21·228		·20·836	·21·222	·21·892*	·22·414	·22·042	·22·658
5	·20·746			·20·603	·21·028	·21·385	·20·993	·21·279	·22·043*	·21·818		·22·829
6	·20·221	·20·614	·21·071	·20·885	·21·225	·20·930	·21·311		·21·966*	·21·697	·21·983	·22·729
7	·20·587	·20·310	·20·768	·21·082		·21·014	·21·457	·21·354	·21·148	·21·537	·22·355	·22·889
8		·20·782	·20·628	·20·816	·21·272	·21·986*	·21·463	·21·008	·22·183		·22·340	·23·192
9	·20·222	·21·257	·20·908		·21·494	·21·131		·21·214	·21·763	·21·368	·22·703	·23·318
10	·20·781*	·21·320	·20·888	·20·516	·21·322	·21·180	·21·768	·21·482		·21·347	·22·150	
11	·20·791	·21·425	·20·719	·20·839	·21·054		·22·678*	·20·945	·21·188	·21·575	·22·679	·23·246
12	·20·791			·20·662	·21·660	·21·234	·21·649		·21·437	·24·715*		·22·937
13	·21·005	·21·044	·20·699	·20·391	·21·285	·20·825	·21·760		·21·817	·22·744*	·23·207*	·24·376*
14	·21·022	·20·894	·21·011	·21·092		·21·391	·21·400	·21·107	·21·520	·22·295	·22·712	·23·247*
15		·20·887	·21·013	·20·639	·21·254	·21·585	·21·820	·21·140	·21·657		·22·299	·23·344
16	·21·728	·20·568	·21·665		·21·285	·21·308		·22·106	·21·942	·22·216	·22·278	·22·915
17	·20·516	·20·642	·21·860	·20·713	·20·894	·21·616	·21·271	·21·711		·22·223	·22·555	
18	·20·731	·20·819		·20·668	·20·579		·21·611*	·21·577	·21·674	·23·713*	·21·924	·23·306
19	·20·819			·20·705	·21·077*	·21·393	·21·745	·21·334	·21·486	·23·102*		·22·943
20	·20·656	·20·688	·21·437	·20·578	·21·554	·21·071	·21·252		·21·657	·22·969*	·22·443	·23·049
21	·20·453	·20·297*	·21·530	·22·894*		·21·634	·21·208	·21·056	·21·773	·23·621*	·22·120	·22·884
22		·20·673	·21·265		·21·397	·21·314	·21·268	·20·994	·21·454		·22·183	·22·806
23	·20·567	·21·791*	·21·042			·21·302		·21·031	·20·882	·22·269	·22·363	·22·918
24	·20·472	·21·214*	·21·305	·20·939	·21·174	·20·925	·21·465	·21·217		·22·429	·22·279	
25	·20·283	·21·179	·21·514	·21·026	·21·034		·21·246	·21·514	·21·514		·22·309	
26	·20·433	·21·537*		·21·320	·21·097	·21·728	·21·174	·20·794	·21·271	·21·863	·22·240	·22·735
27	·20·878	·21·185	·21·148	·21·149	·21·108	·21·410		·20·622	·21·727	·21·797		·22·409
28	·20·482		·20·991	·21·400	·20·688	·21·269	·21·088		·21·403	·22·141	·22·335	·22·821
29			·21·522	·21·957*		·21·325	·20·914	·22·871*	·21·654		·22·360	·22·406
30	·20·550		·21·463		·21·396	·20·557		·21·463	·20·934	·21·946	·22·374	·23·038
31	·20·062		·21·314		·21·291		·21·102	·21·526		·22·842		

* This sign denotes an Abnormal day, or the day on which the Magnetic Disturbance occurred.

TABLE II.—*Showing, for each Month, the Mean Value of Absolute Easterly Declination; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Easterly Declination.	Difference from the Mean of Years.	FOR SEASONS.
January	0°20′588	−0′837	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter 0°21′621
February	·20·830	− ·595	
March	·21·156	− ·269	
April	·20·846	− ·579	Mean of { April, May, June, / July, Aug., Sept. } or Summer 0·21·228
May	·21·225	− ·200	
June	·21·215	− ·210	
July	·21·320	− ·105	Mean of the year ..... 0·21·425
August	·21·233	− ·192	
September	·21·528	·103	Greatest monthly mean, in December .... 0·22·841
October	·21·983	·558	Least monthly mean, in January ..... 0·20·588
November	·22·331	·906	
December	·22·841	1·416	Difference.. 0·2·253

TABLE III.—*Mean Value of Absolute Easterly Declination in Arc, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	0°20′840	0°20′632	0°20′993	0°20′583	0°21′285	0°20′835	0°21′002	0°21′229	0°21′816	0°22′184	0°22′049	0°22′473
1	·20·475	·20·549	·20·618	·20·750	·21·690	·21·164	·21·248	·21·625	·21·551	·21·387	·21·647	·22·503
2	·20·199	·20·206	·20·327	·20·637	·21·684	·21·222	·21·389	·21·507	·21·164	·21·311	·21·922	·22·446
3	·20·719	·20·780	·20·744	·20·738	·21·008	·20·802	·20·734	·21·021	·21·355	·21·663	·22·388	·22·953
4	·20·670	·21·018	·21·134	·20·899	·20·873	·20·804	·20·534	·20·942	·21·407	·21·665	·22·353	·23·144
5	·20·563	·20·948	·21·164	·21·037	·21·112	·20.950	·20·826	·20·983	·21·404	·21·488	·22·377	·23·117
6	·20·540	·20·906	·21·230	·21·118	·21·096	·21·024	·20·793	·21·101	·21·502	·21·810	·22·591	·23·144
7	·20·621	·21·068	·21·268	·21·224	·21·190	·21·186	·21·077	·21·241	·21·646	·21·991	·22·671	·23·347
8	·20·577	·21·064	·21·238	·21·263	·21·280	·21·365	·21·292	·21·422	·21·744	·22·023	·22·608	·23·431
9	·20·653	·20·965	·21·244	·21·433	·21·373	·21·465	·21·426	·21·590	·21·862	·22·116	·22·539	·23·234
10	·20·588	·20·930	·21·175	·21·355	·21·367	·21·470	·21·530	·21·535	·21·796	·22·092	·22·461	·23·046
11	·20·410	·20·793	·21·096	·21·189	·21·320	·21·573	·21·620	·21·561	·21·857	·21·978	·22·276	·22·867
12	·20·146	·20·608	·20·950	·20·955	·21·384	·21·670	·21·703	·21·592	·21·823	·21·777	·22·080	·22·497
13	·19·921	·20·385	·20·893	·20·916	·21·870	·21·924	·22·191	·21·903	·21·986	·21·784	·21·951	·22·404
14	·19·839	·20·134	·21·386	·21·780	·23·475	·23·407	·23·657	·23·255	·23·120	·22·352	·21·735	·21·936
15	·20·185	·20·501	·22·140	·22·989	·24·506	·24·310	·24·129	·24·307	·24·371	·23·335	·21·807	·21·417
16	·21·362	·21·375	·23·156	·23·571	·24·352	·24·205	·23·924	·24·046	·24·505	·23·893	·22·658	·22·160
17	·22·552	·21·968	·23·430	·23·054	·22·693	·23·011	·22·771	·22·495	·23·067	·23·564	·23·063	·22·915
18	·21·754	·22·009	·22·368	·21·563	·20·608	·21·419	·21·501	·20·826	·21·182	·22·355	·22·781	·23·210
19	·20·215	·21·133	·21·010	·19·372	·19·115	·19·367	·20·206	·19·552	·19·437	·21·082	·22·138	·23·260
20	·19·924	·20·340	·19·802	·17·803	·18·156	·18·488	·19·388	·18·492	·18·549	·20·556	·22·089	·23·126
21	·20·242	·20·444	·19·503	·17·850	·18·412	·18·575	·19·067	·18·343	·18·683	·20·942	·22·594	·23·422
22	·20·390	·20·488	·20·074	·18·585	·19·305	·19·035	·19·408	·18·900	·19·846	·21·860	·22·693	·23·272
23	·20·748	·20·721	·20·795	·19·646	·20·243	·19·926	·20·262	·20·127	·20·992	·22·375	·22·479	·22·905

TABLE IV.—*Showing, for the Year* 1859, *the Mean Value of Absolute Easterly Declination in Arc, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Easterly Declination.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	0°21′327	−0′098
1	5 12 „	·21·267	− ·158
2	6 12 „	·21·168	− ·257
3	7 12 „	·21·242	− ·183
4	8 12 „	·21·287	− ·138
5	9 12 „	·21·331	− ·094
6	10 12 „	·21·405	− ·020
7	11 12 „	·21·544	·119
8	0 12 A. M.	·21·609	·184
9	1 12 „	·21·658	·233
10	2 12 „	·21·611	·186
11	3 12 „	·21·545	·120
12	4 12 „	·21·432	·007
13	5 12 „	·21·511	·086
14	6 12 „	·22·173	·748
15	7 12 „	·22·833	1·418
16	8 12 „	·23·267	·842
17	9 12 „	·22·882	·457
18	10 12 „	·21·798	0·373
19	11 12 „	·20·491	− ·934
20	0 12 P. M.	·19·726	−1·699
21	1 12 „	·19·840	− ·585
22	2 12 „	·20·321	− ·104
23	3 12 „	·20·935	−0·490

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night.. 0°21′445

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day .. 0·21·405

Mean ..... 0·21·425

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A maximum at about	Noon	or 4 P. M.
A minimum at about	2	or 6 P. M.
A maximum at about	9	or 1 A. M.
A minimum at about	12	or 4 A. M.
A maximum at about	16	or 8 A. M.
A minimum at about	20	or Noon.

TABLE V.—*Excess of the Mean Hourly Value of Absolute Easterly Declination (in Arc) above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	0′252	-0′198	-0′163	-0′263	0′060	-0′380	-0′318	-0′004	0′288	0′201	-0′282	-0′368
1	-0·113	-0·281	-0·538	-0·096	0·465	-0·051	-0·102	0·392	0·023	-0·596	-0·684	-0·338
2	-0·389	-0·624	-0·829	-0·209	0·459	0·007	-0·069	0·274	-0·364	-0·672	-0·409	-0·395
3	0·131	-0·050	-0·412	-0·108	-0·217	-0·413	-0·586	-0·212	-0·273	-0·320	0·057	0·112
4	0·082	0·188	-0·022	0·053	-0·352	-0·411	-0·786	-0·291	-0·121	-0·318	0·022	0·303
5	-0·025	0·118	0·008	0·191	-0·113	-0·265	-0·504	-0·250	-0·124	-0·495	0·046	0·276
6	-0·048	0·076	0·074	0·272	-0·129	-0·191	-0·527	-0·132	-0·026	-0·173	0·260	0·303
7	0·033	0·238	0·112	0·378	-0·035	-0·029	-0·243	0·008	0·118	0·008	0·340	0·506
8	-0·011	0·234	0·082	0·417	0·055	0·150	-0·028	0·189	0·216	0·040	0·277	0·590
9	0·065	0·135	0·088	0·587	0·148	0·250	0·096	0·387	0·334	0·233	0·208	0·393
10	0·000	0·100	0·019	0·509	0·142	0·255	0·210	0·302	0·268	0·109	0·130	0·205
11	-0·178	-0·037	-0·060	0·343	0·095	0·358	0·300	0·328	0·329	-0·005	-0·055	0·026
12	-0·442	-0·222	-0·206	0·109	0·159	0·422	0.483	0·359	0·295	-0·206	-0·251	-0·344
13	-0·667	-0·445	-0·263	0·070	0·645	0·709	0·871	0·670	0·458	-0·199	-0·380	-0·437
14	-0·749	-0·696	0·230	0·934	2·250	2·192	2·337	2·022	1·592	0·369	-0·596	-0·905
15	-0·403	-0·329	0·984	2·143	3·281	3·095	2·809	3·074	2·843	1·352	-0·524	-1·424
16	0·774	0·545	2·000	2·725	3·127	2·990	2·604	2·813	2·977	1·910	0·327	-0·681
17	1·964	1·138	2·274	2·208	1·468	1·796	1·451	1·262	1·539	1·581	0·732	0·074
18	1·166	1·179	1·212	0·717	-0·617	0·204	0·181	-0·407	-0·346	0·372	0·450	0·369
19	-0·373	0·303	-0·146	-1·474	-2·110	-1·848	-1·114	-1·681	-2·091	-0·901	-0·193	0·419
20	-0·664	-0·490	-1·354	-3·043	-3·069	-2·727	-1·932	-2·741	-2·979	-1·427	-0·242	0·285
21	-0·346	-0·386	-1·653	-2·996	-2·813	-2·640	-2·253	-2·890	-2·845	-1·041	0·263	0·581
22	-0·198	-0·342	-1·082	-2·261	-1·920	-2·180	-1·912	-2·333	-1·682	-0·123	0·362	0·431
23	0·160	-0.109	-0·361	-1·200	-0·982	-1·289	-1·058	-1·106	-0·536	0·392	0·148	0·064

TABLE VI.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Solar Time about which the Mean Value of Absolute Easterly Declination (in Arc) in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Declination (in Arc) at its								Mean Diurnal Range.	The Time at which the Mean Hourly Declination was at its							
	1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.		1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.
										H	H	H	H	H	H	H	H
January	20′840	20′199	20′719	20′540	20′653	19′839	22′552	19′924	2′713	0	2	3	6	9	14	17	20
February ..	20·721	20·206	21·018	20·906	21·068	20·134	22·009	20·340	1·875	23	2	4	6	7	14	18	20
March.....	20·993	20·327	21·268	21·238	21·244	20·893	23·470	19·503	3·967	0	2	7	8	9	13	17	21
April	20·750	20·637			21·433	20·916	23·571	17·803	5·768	1	2			9	13	16	20
May	21·690	20·873	21·112	21·096	21·373	21·320	24·506	18·156	6·350	1	4	5	6	9	11	15	20
June	21·222	20·802					24·310	18·488	5·822	2	13					15	20
July	21·389	20·534	20·826	20·793			24·129	19·067	5·062	2	4	5	6			15	21
August	21·625	20·942			21·590	21·535	24·307	18·343	5·964	1	4			9	10	15	21
September ..	21·816	21·164	21·862	21·796	21·857	21·823	24·505	18·549	5·956	0	2	9	10	11	12	16	20
October	22·375	21·311	21·665	21·488	22·116	21·777	23·893	20·556	3·337	23	2	4	5	9	12	16	20
November ..	22·693	21·647	22·388	22·353	21·671	21·735	23·063	22·089	1·416	22	1	3	4	7	14	17	20
December ..	23·422	22·446	23·144	23·117	23·481	21·417	23·260	23·126	2·064	1	2	4	5	8	15	19	20

TABLE VII.—*Showing the Greatest and Least Values of Absolute Easterly Declination (in Arc) in Simple Hourly Observations during the Year* 1859.

Months, 1859.	Greatest Declination in Arc.				Least Declination in Arc.			
	Day and Hour.	Greatest Declination.	Normal Mean.	Difference.	Day and Hour.	Least Declination.	Normal Mean.	Difference.
	D. H.				D. H.			
January	21 17	0°25′257	0°22′319	0°2′938	31 20	0°18′052	0°20·132	−0°2′080
February	26 6	·24·295	·21·035	·3·260	14 14	·16·680	·20·134	− ·3·454
March	20 17	·25.943	·23·363	·2·580	13 21	·17·298	·19·566	− ·2·268
April	21 16	·26·218	·23·727	·2·491	18 21	·15·906	·17·906	− ·1·980
May	3 16	·26·629	·24·040	·2·589	19 21	·16·063	·18·434	− ·2·371
June	14 16	·26·551	·24·210	·2·341	30 20	·15·377	·18·488	− ·3·111
July	11 15	·26·629	·24·153	·2·476	1 21	·16·955	·18·821	− ·1·866
August	24 15	·26·218	·24·325	·1·893	27 21	·13·798	·18·819	− ·5·021
September	1 19	·49·202	·19·494	2·9·708	1 22	·15·445	·19·373	− ·3·928
October	13 16	·26·551	·23·934	·2·617	7 20	·17·778	·20·021	− ·2·243
November	9 17	·24·707	·23·163	·1·544	28 17	·20·247	·23·000	− ·2·753
December	13 7	·28·963	·23·257	·5·706	7 15	·20·110	·21·521	− ·1·411

TABLE VIII.—*Daily Range of Absolute Easterly Declination (in Arc), for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		0°3′362		0°5′145	0°7′342	0°7′204	0°7′408	0°6′313	0°3′757		0°3′087	0°1′578
2	0°4′460	·3·087	0°1′921		·7·136	·8·371		·3·841	·8·989	0°4′461	·2·676	·2·537
3	·2·607	·3·224	·1·920	·4·666	·8·302	·7·548	·4·596	·4·664		·3·431	·3·019	
4	·3·568	·2·058	·2·195	·5·009	·8·029		·4·390	·4·872	·9·332	·3·843	·2·332	·3·019
5	·3·911			·4·390	·7·822	·6·039	·4·047	·4·735	·9·675	·2·814		·3·605
6	·2·813	·3·774	·3·020	·4·803	·8·097	·3·980	·5·009		·8·920	·3·911	·3·362	·3·294
7	·2·608	·1·098	·4·598	·6·036		·5·764	·5·215	·4·871	·9·880	·6·929	·3·019	·3·980
8		·2·950	·2·608	·4·322	·7·000	·5·971	·4·666	·5·351	·9·606		·2·745	·3·716
9	·2·883	·6·793	·3·087		·6·654	·6·380		·4·665	·6·656	·4·596	·3·088	·2·469
10	·3·088	·2·608	·4·186	·6·861	·5·901	·5·146	·3·773	·5·764		·4·870	·3·019	
11	·2·096	·3·842	·3·363	·6·449	·8·440		·8·988	·4·596	·7·685	·3·157	·3·088	·4·117
12	·3·294			·8·028	·7·685	·5·694	·5·489		·6·382	1·0·155		·8·353
13	·3·774	·2·128	·5·693	·7·615	·6·243	·6·311	·5·969		·7·410	·7·168	·2·675	·8·097
14	·4·735	·2·881	·4·733	·6·517		·8·234	·6·792	·7·829	·6·450	·4·049	·2·948	·5·010
15		·1·784	·4·871	·6·930	·5·901	·6·039	·5·352	·7·135	·8·234		·2·247	·3·844
16	·2·882	·1·509	·5·696		·4·146	·5·969		·4·666	·7·754	·4·186	·1·716	·3·774
17	·2·744	·2·401	·5·159	·6·998	·9·745	·5·078	·8·783	·3·430		·4·324	·2·167	
18	·2·814	·3·225		·8·644	·7·340		·4·528	·6·136	·6.381	·4·598	·2·538	·1·991
19	·2·675			·8·234	·9·674	·6·518	·5·422	·6·244	·5·695	·3·598		·2·882
20	·3·843	·3·984	·5·901	·7·227	·7·822	·5·627	·5·488		·3·500	·3·224	·3·430	·2·400
21	·3·637	·5·146	·4·941	·7·343		·4·940	·5·556	·5·832	·4·460	·4·324	·1·647	·3·155
22		·2·814	·3·635		·5·695	·6·585	·6·794	·8·920	·5·077		·2·469	·4·666
23	·6·038	·2·951	·3·635			·4·117		·5·695	·8·096	·2·745	·2·538	·3·637
24	·3·018	·5·008	·3·568	·6·174	·4·392	·6·381	·5·352	·9·401		·5·010	·2·813	
25	·4·255	·2·402	·4·391	·6·998	·5·694		·4·321	·6·794	·5·489		·3·294	
26	·5·489	·4·780		·5·215	·4·733	·3·774	·4·323	·8·215	·5·146	·5·009	·2·881	·1·714
27	·6·793	·1·854	·4·254	·4·598	·5·007	·5·971		1·2·214	·2·951	·3·226		·2·883
28	·3·568		·6·998	·5·215	·6·997	·7·480	·5·351		·3·841	·3·018	·3·686	·3·705
29			·1·802	·5·421		·5·901	·6·381	·6·988	·5·557		·2·195	·2·814
30	·1·989		·5·969		·5·695	·9·193		·8·646	·6·928	·3·087	·1·852	·1·989
31	·1·332		·3·910		·6·862		·5·488	·9·400		·5·490		

TABLE IX.—*Mean Value of Absolute Horizontal Intensity, as obtained from the Scale Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		8·0282		8·0192	8·0263	8·0537	8·0831	8·1102	8·0709*		8·0274	8·0257
2	8·0399	·0259	8·0198		·0248	·0525		·1120	·0551*	8·0557*	·0314	·0254
3	·0418	·0285	·0201	·0309	·0215	·0561	·0885	·1145		·0637	·0293	
4	·0372	·0276	·0181	·0317	·0305		·0789	·1147	·0857*	·0624	·0308	·0300
5	·0382			·0307	·0267	·0527	·0848	·1143	·0780*	·0675		·0215
6	·0421	·0268	·0260	·0286	·0299	·0546	·0858		·0802*	·0651	·0274	·0234
7	·0396	·0266	·0278	·0244		·0542	·0852	·1171	·0915	·0630	·0265	0176
8		·0278	·0294	·0241	·0328	·0357*	·0882	·1151	·0918		·0260	·0151
9	·0389	·0081	·0240		·0339	·0417		·1174	·0948	·0651	·0252	·0177
10	·0247*	·0120	·0204	·0274	·0332	·0484	·0859	·1157		·0670	·0180	
11	·0267	·0190	·0203	·0285	·0348		·0692*	·1137	·0950	·0579	·0221	·0105
12	·0265			·0306	·0321	·0511	·0833		·0901	7·9828*		·0185
13	·0271	·0277	·0225	·0266	·0334	·0569	·0885		·0824	8·0327*	·0029*	7·9826*
14	·0305	·0300	·0240	·0242		·0608	·0949	·1190	·0826	.0430	·0141	8·0025*
15		·0288	·0276	·0268	·0366	·0564	·0967	·1165	·0805		·0205	·0149
16	·0206	·0291	·0203		·0403	·0533		·1059	·0779	·0446	·0211	·0221
17	·0255	·0262	·0197	·0324	·0404	·0592	·0936	·1070		·0364	·0253	
18	·0236	·0285		·0293	·0438		·0742*	·1082	·0825	·0049*	·0247	·0298
19	·0224			·0267	·0238*	·0651	·0894	·1074	·0846	·0242*		·0282
20	·0295	·0250	·0279	·0356	·0331	·0674	·0953		·0836	·0224*	·0262	·0267
21	·0295	·0294*	·0247	7·9936*		·0677	·0959	·1111	·0820	·0057*	·0283	·0291
22		·0249	·0267		·0387	·0708	·0985	·1074	·0832		·0283	·0314
23	·0341	·0070*	·0279			·0756		·1093	·0887	·0294	·0278	·0315
24	·0325	·0018*	·0178	8·0183	·0480	·0768	·1012	·1098		·0343	·0284	
25	·0306	·0168	·0191	·0219	·0460		·1045	·1124	·0721		·0311	
26	·0271	·0025*		·0234	·0470	·0690	·1021	·1098	·0734	·0377	·0315	·0372
27	·0214	·0119	·0146	·0242	·0485	·0718		·1119	·0728	·0397		·0371
28	·0239		·0194	·0223	·0525	·0761	·1078		·0747	·0394	·0287	·0349
29			·0172	7·9993*		·0801	·1031	·0566*	·0738		·0310	·0389
30	·0314		·0140		·0488	·0799		·0889	·0807	·0366	·0278	·0345
31	·0300		·0207		·0513		·1079	·0964		·0300		

* This sign denotes the days of Magnetic Disturbances.

TABLE X.—*Showing, for each Month, the Mean Value of Absolute Horizontal Intensity, and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Horizontal Intensity Corrected.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En Un.		En Un.
January.....	8·0308	–0·0187	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..	8·0297
February.....	·0240	– ·0255		
March	·0219	– ·0276		
April	·0267	– ·0228	Mean of {April, May, June, July, Aug., Sept.} or Summer ..	8·0693
May	·0374	– ·0125		
June.....	·0622	·0127	Mean of the year	8·0495
July	·0958	·0463		
August.....	·1107	·0612		
September	·0828	·0333	Greatest monthly mean, in August	8·1107
October	·0490	– ·0005	Least monthly mean, in March..	8·0219
November ...	·0263	– ·0232		
December.....	·0262	– ·0233	Difference.....	0·0888

TABLE XI.—*Mean Value of Absolute Horizontal Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8·0327	8·0268	8·0219	8·0272	8·0369	8·0612	8·0948	8·1104	8·0832	8·0498	8·0281	8·0276
1	·0289	·0236	·0205	·0247	·0344	·0586	·0920	·1083	·0819	·0472	·0244	·0246
2	·0272	·0201	·0174	·0206	·0304	·0569	·0906	·1069	·0803	·0440	·0209	·0214
3	·0256	·0172	·0152	·0176	·0297	·0552	·0898	·1070	·0772	·0419	·0180	·0197
4	·0244	·0162	·0142	·0178	·0299	·0548	·0898	·1044	·0754	·0418	·0175	·0177
5	·0237	·0158	·0133	·0182	·0307	·0554	·0894	·1038	·0754	·0425	·0173	·0164
6	·0238	·0177	·0132	·0184	·0311	·0555	·0900	·1040	·0764	·0419	·0178	·0166
7	·0246	·0167	·0141	·0198	·0309	·0558	·0906	·1043	·0768	·0427	·0190	·0181
8	·0253	·0179	·0152	·0203	·0309	·0554	·0908	·1042	·0773	·0433	·0193	·0184
9	·0258	·0178	·0152	·0208	·0309	·0553	·0912	·1042	·0777	·0430	·0200	·0195
10	·0255	·0188	·0154	·0206	·0314	·0559	·0910	·1046	·0785	·0432	·0207	·0199
11	·0261	·0172	·0152	·0212	·0319	·0560	·0910	·1050	·0795	·0419	·0199	·0207
12	·0269	·0176	·0151	·0215	·0326	·0561	·0919	·1048	·0794	·0444	·0197	·0217
13	·0272	·0184	·0160	·0212	·0332	·0569	·0919	·1051	·0792	·0452	·0205	·0218
14	·0280	·0205	·0159	·0218	·0339	·0584	·0932	·1059	·0785	·0456	·0233	·0232
15	·0283	·0204	·0178	·0236	·0354	·0618	·0952	·1067	·0778	·0458	·0255	·0244
16	·0321	·0250	·0238	·0294	·0413	·0663	·0996	·1111	·0807	·0527	·0317	·0255
17	·0365	·0317	·0320	·0393	·0487	·0723	·1051	·1189	·0896	·0600	·0377	·0341
18	·0381	·0368	·0347	·0454	·0532	·0768	·1086	·1250	·0956	·0648	·0422	·0407
19	·0447	·0406	·0404	·0467	·0547	·0785	·1092	·1266	·0985	·0670	·0439	·0433
20	·0455	·0409	·0397	·0448	·0529	·0779	·1084	·1269	·0965	·0648	·0428	·0420
21	·0412	·0377	·0360	·0399	·0500	·0746	·1057	·1239	·0938	·0599	·0386	·0395
22	·0390	·0324	·0307	·0356	·0456	·0701	·1027	·1202	·0904	·0527	·0321	·0354
23	·0356	·0292	·0259	·0310	·0409	·0657	·0979	·1149	·0868	·0497	·0305	·0313

TABLE XII.—*Showing, for the Year* 1859, *the Mean Value of Absolute Horizontal Intensity, corrected for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Absolute Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0500	0·0005
1	5 12 „	·0474	− ·0021
2	6 12 „	·0447	− ·0048
3	7 12 „	·0428	− ·0067
4	8 12 „	·0421	− ·0074
5	9 12 „	·0418	− ·0077
6	10 12 „	·3422	− ·0073
7	11 12 „	·0428	− ·0067
8	0 12 A. M.	·0432	− ·0063
9	1 12 „	·0435	− ·0060
10	2 12 „	·0438	− ·0057
11	3 12 „	·0438	− ·0057
12	4 12 „	·0443	− ·0052
13	5 12 „	·0447	− ·0048
14	6 12 „	·0457	− ·0038
15	7 12 „	·0469	− ·0026
16	8 12 „	·0516	·0021
17	9 12 „	·0588	·0093
18	10 12 „	·0635	·0140
19	11 12 „	·0662	·0167
20	0 12 P. M.	·0653	·0158
21	1 12 „	·0617	·0122
22	2 12 „	·0572	·0077
23	3 12 „	·0533	·0038

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night....	8·0433
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	8·0556
Mean	8·0495

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A minimum at	5 or	9 P. M.
A maximum at	19 or	11 A. M.

TABLE XIII.—*Excess of the Mean Hourly Value of Horizontal Force above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	0·0019	0·0028	0·0000	0·0005	0·0005	−0·0010	−0·0010	−0·0003	0·0004	0·0008	0·0018	0·0014
1	− ·0019	− ·0004	− ·0014	− ·0020	− ·0030	− ·0036	− ·0038	− ·0024	− ·0009	− ·0018	− ·0019	− ·0016
2	− ·0036	− ·0039	− ·0055	− ·0061	− ·0070	− ·0053	− ·0052	− ·0038	− ·0025	− ·0050	− ·0054	− ·0048
3	− ·0052	− ·0068	− ·0067	− ·0091	− ·0077	− ·0070	− ·0060	− ·0057	− ·0056	− ·0071	− ·0083	− ·0065
4	− ·0064	− ·0082	− ·0077	− ·0089	− ·0075	● ·0074	− ·0060	− ·0063	− ·0074	− ·0072	− ·0088	− ·0085
5	− ·0071	− ·0082	− ·0086	− ·0085	− ·0067	− ·0068	− ·0064	− ·0069	− ·0074	− ·0065	− ·0110	− ·0098
6	− ·0070	− ·0063	− ·0087	− ·0083	− ·0063	− ·0067	− ·0058	− ·0067	− ·0064	− ·0071	− ·0085	− ·0096
7	− ·0062	− ·0073	− ·0068	− ·0079	− ·0065	− ·0064	− ·0052	− ·0064	− ·0060	− ·0063	− ·0073	− ·0081
8	− ·0055	− ·0061	− ·0067	− ·0064	− ·0065	− ·0068	− ·0050	− ·0065	− ·0055	− ·0057	− ·0070	− ·0078
9	− ·0050	− ·0062	− ·0067	− ·0059	− ·0065	− ·0069	− ·0046	− ·0055	− ·0051	− ·0060	− ·0063	− ·0067
10	− ·0053	− ·0052	− ·0065	− ·0061	− ·0060	− ·0063	− ·0048	− ·0061	− ·0043	− ·0058	− ·0056	− ·0063
11	− ·0047	− ·0068	− ·0067	− ·0055	− ·0055	− ·0062	− ·0048	− ·0057	− ·0033	− ·0071	− ·0064	− ·0055
12	− ·7039	− ·0064	− ·0068	− ·0052	− ·0048	− ·0061	− ·0039	− ·0059	− ·0034	− ·0046	− ·0066	− ·0045
13	− ·0036	− ·0056	− ·0059	− ·0055	− ·0042	− ·0053	− ·0039	− ·0056	− ·0036	− ·0038	− ·0058	− ·0044
14	− ·0028	− ·0035	− ·0060	− ·0049	− ·0035	− ·0038	− ·0026	− ·0048	− ·0043	− ·0034	− ·0030	− ·0030
15	− ·0025	− ·0036	− ·0041	− ·0031	− ·0020	− ·0004	− ·0006	− ·0040	− ·0050	− ·0032	− ·0008	− ·0018
16	·0013	·0010	·0019	·0027	·0039	·0041	·0038	·0004	●·0021	·0037	·0054	− ·0007
17	·0057	·0077	·0111	·0126	·0113	·0101	·0093	·0072	●·0068	·0110	·0114	·0079
18	·0073	·0128	·0128	·0187	·0158	·0146	·0128	·0143	·0128	·0158	·0159	·0145
19	·0139	·0166	·0185	·0200	·0173	·0163	·0134	·0159	·0157	·0183	·0176	·0171
20	·0147	·0169	·0178	·0181	·0155	·0157	·0126	·0162	·0137	·0158	·0165	·0158
21	·0104	·0137	·0141	·0132	·0126	·0124	·0099	·0132	·0110	·0109	·0123	·0133
22	·0082	·0084	·0088	·0091	·0082	·0079	·0069	·0095	·0076	·0037	·0088	·0092
23	·0048	·0052	·0040	·0043	·0035	·0035	·0021	·0042	·0076	·0007	·0042	·0051

TABLE XIV.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Value of Horizontal Intensity corrected, in each Month, was at its Maxima and Minima.*

Months, 1859.	The Mean Hourly value of Horizontal Intensity corrected.				Mean Diurnal Range.	The Time at which the Mean Hourly was at its			
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.
January	8·0237	8·0258	8·0255	8·0455	0·0228	5	9	10	20
February	·0158	·0188	·0172	·0409	·0251	5	10	11	20
March	·0132	·0154	·0151	·0404	·0272	6	10	12	19
April	·0176			·0467	·0291	3			19
May	·0297			·0547	·0250	3			19
June	·0548	·0558	·0553	·0785	·0237	4	7	9	19
July	·0824			·1092	·0268	5			19
August	·1038			·1269	·0231	5			20
September	·0754	·0795	·0778	·0985	·0231	5	11	15	19
October	·0418	·0433	·0419	·0670	·0252	4	8	11	19
November	·0173	·0207	·0197	·0439	·0266	5	10	12	19
December	·0164			·0433	·0269	5			19

TABLE XV.—*Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		78°5		86°0	87°1	89°9	87°2	81°6	82°8		83°0	77°3
2	77°8	78·1	79°0		87·3	87·9		81·7	82·7	83°8	82·7	73·0
3	76·4	79·2	77·6	86·3	87·0	88·0	87·1	82·2		84·9	82·9	
4	73·3	81·1	77·9	86·6	86·6		86·9	82·2	80·5	85·1	83·0	77·4
5	74·2			87·1	85·8	84·9	87·2	82·4	81 0	85·2		78·1
6	77·4	80·0	79·1	36·3	85·7	83·4	87·8		80·8	84·6	83·5	77·0
7	79·0	77·2	78·9	86·2		81·8	87·8	83·0	80·6	83·5	83·9	77·0
8		77·2	79·0	86·3	86·5	82·9	87·6	83·1	81·0		84·4	78·7
9	78·9	76·5	70·6		86·3	84·5		83·6	80·8	83·1	84·1	79·0
10	78·7	76·4	80·1	86·1	86·1	84·5	87·1	83·5		82·9	84·6	
11	78·6	76·7	80·1	85·9	86·1		86·1	83·7	81·0	82·6	85·3	78·8
12	77·9			86·5	86.0	82·3	87·0		81·4	82·4		79·0
13	77·3	77·7	77·9	87·2	85·7	83·9	86·2		81·9	81·2	84·3	78·5
14	77·4	80·9	79·2	86·8		85·1	86·9	83·5	82·2	81·8	83·9	77·2
15		82·4	80·7	85·7	86·0	85·8	86·4	83·6	82·4		83·4	77·4
16	78·0	82·7	81·7		86·0	85·9		83·3	82·6	81·5	83·9	78·6
17	78·8	81·1	80·4	84·9	86·1	86·1	81·7	84·2		80·6	85·0	
18	77·8	80·2		85·4	86·3		80·9	83·9	81·8	80·6	84·8	78·3
19	77·1			95·3	86·8	86·1	80·2	84·4	81·9	80·9		76·7
20	78·5	79·6	82·1	85·1	87·4	86·4	81·7		82·3	81·6	84·2	76·7
21	80·9	78·5	83·8	85·4		86·7	81·0	81·9	82·1	82·0	85·0	77·7
22		78·2	83·3		87·0	86·9	81·1	81·3	81·3		84·5	78·5
23	79·9	76·6	82·3			86·7		79·8	83·5	83·1	84·5	78·8
24	79·2	77·8	82·4	86·3	87·8	86·3	82·2	79·2		82·9	84 1	
25	76·8	79·9	84·4	87·3	87·5		82·0	78·6	84·4		84·4	
26	76·6	81·4		87·4	87·7	86·6	81·3	79·4	82·0	83·2	84·2	78·6
27	76·1	80·8	84·6	88·4	88·3	86·3		80·3	83·0	82·6		78·3
28	76·9		83·7	88·0	89·2	86·6	82·0		83·3	82·3	82·6	78·0
29			83·0	88·4		87·2	81·9	80·3	83·3		81·2	77·3
30	75·9		84·1		89·5	87·0		81·9	84·8	82·8	81·0	76·2
31	77·8		86·1		90·1		81·9	82·1		83·3		

TABLE XVI.—*Showing, for each Month, the Mean Temperature of Air within the Box of the Large Horizontal Force; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Air within the Box of the L. H. F. M.	Difference from the Mean of the Year.	FOR SEASONS.	
January	77°5	− 5°1	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter ..	80°4
February	79·2	− 3·4		
March	81·3	− 1·3		
April	86·4	3·8	Mean of { April, May, June, July, Aug., Sept. } or Summer ..	84·8
May.....	87·0	4·4		
June.....	85·9	3·3		
July.....	84·5	1·9	Mean of the year	82·6
August.....	82·2	− 0·4		
September	82·3	− 0·3	Greatest monthly mean, in May	87·0
October	83·1	0·5	Least monthly mean, in January.....	77·5
November	83·7	1·1		
December.....	77·7	− 4·9	Difference	9·5

TABLE XVII.—*Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	81°1	82°6	83°8	89°0	89°3	87°6	86°0	83°4	83°9	85°7	86°8	81°2
1	80·0	81·7	83·2	88·4	88·9	87·2	85·6	83·1	83·3	84·8	85·6	80·1
2	79·0	80·7	82·3	87·6	88·0	86·8	85·2	82·6	82·8	83·8	84·6	79·1
3	78·4	80·0	81·7	86·8	87·3	86·3	84·8	82·2	82·2	83·3	84·1	78·6
4	77·9	79·6	81·4	86·3	86·9	86·0	84·5	82·1	81·9	83·1	83.7	78·1
5	77·5	79·2	81·2	86·0	86·6	85·7	84·3	81·9	81·8	82·8	83·3	77·6
6	77·0	78·8	80·9	85·8	86·2	85·6	84·2	81·7	81·6	82·5	82·9	77·0
7	76·5	78·5	80·6	85·6	86·1	85·4	84·1	81·6	81·5	82·2	82·6	76·6
8	76·2	78·2	80·4	85·4	85·9	85·2	83·9	81·5	81·4	82·1	82·4	76·3
9	76·1	77·8	80·1	85·2	85·7	84·9	83·7	81·4	81·2	81·8	82·1	75·9
10	75·7	77·5	79·8	85·0	85·6	84·7	83·6	81·3	81·1	81·6	82·0	75·6
11	75·5	77·2	79·5	84·7	85·4	84·6	83·4	81·2	81·0	81·4	81·8	75·3
12	75·2	76·9	79·2	84·5	85·2	84·4	82·4	81·1	80·9	81·2	81·4	75·1
13	74·8	76·5	79·0	84·2	85·2	84·3	83·2	81·1	80·8	81·0	81·2	74·7
14	74·3	76·3	78·8	84·2	85·1	84·0	83·1	81·0	80·8	80·8	81·0	74·5
15	74·1	76·1	78·8	84·4	85·5	84·5	83·2	81·1	80·9	81·0	81·1	74·4
16	74·8	76·6	79·3	84·9	86·0	84·9	83·7	81·5	81·3	81·6	81·9	75·1
17	76·1	77·8	80·2	85·8	86·7	85·6	84·2	82·0	82·1	82·5	83·0	76·4
18	77·5	79·3	81·4	86·7	87·5	86·3	84·6	82·6	82·7	83·6	84·3	77·9
19	78·9	80·6	82·5	87·6	88·1	86·9	85·1	83·1	83·5	84·6	85·5	79·3
20	80·1	81·7	83·5	88·2	88·7	87·3	85·4	83·5	84·1	85·3	86·5	80·4
21	81·0	82·4	84·1	88·9	89·1	87·6	85·7	83·6	84·4	85·7	87·2	81·2
22	81·5	82·9	84·4	89·1	89·3	87·7	86·0	83·8	84·7	85·9	87·5	81·7
23	81·6	83·0	84·4	89·2	89·4	87·7	85·9	83·8	84·5	86·1	87·4	81·7

TABLE XVIII.—*Showing, for the Year* 1859, *the Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Horizontal Force Thermometer.	Difference from the Mean of the whole.
	H. M.		
Noon.	4 12 P. M.	85°0	2°4
1	5 12 „	84·3	1·7
2	6 12 „	83·5	0·9
3	7 12 „	83·0	0·4
4	8 12 „	82·6	0·0
5	9 12 „	82·3	− 0·3
6	10 12 „	82·0	− 0·6
7	11 12 „	81·8	− 0·8
8	0 12 A. M.	81·7	− 0·9
9	1 12 „	81·3	− 1·3
10	2 12 „	81·1	− 1·5
11	3 12 „	80·9	− 1·7
12	4 12 „	80·7	− 1·9
13	5 12 „	80·5	− 2·1
14	6 12 „	80·3	− 2·3
15	7 12 „	80·4	− 2·2
16	8 12 „	81·0	− 1·6
17	9 12 „	81·9	− 0·7
18	10 12 „	82·9	0·3
19	11 12 „	83·8	1·2
20	0 12 P. M.	84·6	2·0
21	1 12 „	85·1	2·5
22	2 12 „	85·4	2·8
23	3 12 „	85·4	2·8

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night .... 81°8

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day ..... 83·3

Mean..... 82·6

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.		B. C. T.
A minimum at	14	or	6 A. M.
A maximum at	23	or	3 P. M.

TABLE XIX.—*Excess of the Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	3°6	2°3	2°6	2°6	2°3	1°7	1°6	1°2	1°7	2°6	3°1	3°6
1	2·5	2·5	1·9	2·0	1·9	1·3	1·2	0·9	1·1	1·7	1·9	2·4
2	1·5	1·5	1·1	1·2	1·0	0·9	0·8	0·4	0·5	0·7	0·9	1·5
3	0·8	0·8	0·4	0·4	0·3	0·4	0·3	0·0	- 0·1	0·2	0·3	0·9
4	0·4	0·3	0·1	- 0·2	- 0·1	0·1	0·0	- 0·1	- 0·3	0·0	- 0·1	0·5
5	0·0	- 0·1	- 0·1	- 0·4	- 0·4	- 0·2	- 0·1	- 0·3	- 0·5	- 0·3	- 0·5	- 0·1
6	- 0·6	- 0·4	- 0·4	- 0·6	- 0·8	- 0·3	- 0·3	- 0·4	- 0·6	- 0·6	- 0·9	- 0·7
7	- 1·0	- 0·7	- 0·7	- 0·8	- 0·9	- 0·5	- 0·4	- 0·6	- 0·8	- 0·9	- 1·2	- 1·1
8	- 1·3	- 1·1	- 0·9	- 1·0	- 1·1	- 0·7	- 0·5	- 0·7	- 0·9	- 1·0	- 1·4	- 1·4
9	- 1·5	- 1·4	- 1·2	- 1·2	- 1·3	- 1·0	- 0·7	- 0·8	- 1·0	- 1·3	- 1·6	- 1·7
10	- 1·8	- 1·7	- 1·5	- 1·4	- 1·5	- 1·2	- 0·9	- 0·9	- 1·2	- 1·5	- 1·8	- 2·0
11	- 2·1	- 2·0	- 1·7	- 1·7	- 1·6	- 1·3	- 1·0	- 1·0	- 1·3	- 1·7	- 1·9	- 2·4
12	- 2·4	- 2·4	- 2·0	- 1·9	- 1·8	- 1·5	- 1·1	- 1·1	- 1·4	- 1·9	- 2·4	- 2·5
13	- 2·7	- 2·8	- 2·3	- 2·2	- 1·8	- 1·5	- 1·2	- 1·1	- 1·5	- 2·1	- 2·6	- 2·9
14	- 3·2	- 3·0	- 2·5	- 2·2	- 1·9	- 1·9	- 1·3	- 1·1	- 1·5	- 2·3	- 2·8	- 3·1
15	- 3·4	- 3·1	- 2·4	- 2·0	- 1·5	- 1·4	- 1·2	- 1·1	- 1·4	- 2·1	- 2·6	- 3·3
16	- 2·7	- 2·6	- 2·0	- 1·5	- 1·0	- 1·0	- 0·8	- 0·7	- 0·9	- 1·5	- 1·9	- 2·5
17	- 1·4	- 1·4	- 1·1	- 0·6	- 0·3	- 0·3	- 0·2	- 0·1	- 0·2	- 0·6	- 0·8	- 1·3
18	- 0·1	0·0	0·2	0·3	0·5	0·4	0·2	0·4	0·4	0·5	0·6	0·2
19	1·4	1·3	1·3	1·2	1·1	1·0	0·6	0·9	1·3	1·5	1·7	1·6
20	2·6	2·4	2·3	1·8	1·7	1·4	1·0	1·3	1·8	2·1	2·7	3·3
21	3·5	3·1	2·8	2·4	2·1	1·7	1·3	1·5	2·1	2·6	3·4	3·5
22	4·0	3·6	3·1	2·7	2·3	1·8	1·5	1·6	2·5	2·8	3·7	4·0
23	4·0	3·7	3·1	2·8	2·4	1·9	1·5	1·6	2·3	3·0	3·6	4·1

TABLE XX.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Temperature of Air within the Box of the Large Horizontal Force Magnetometer, in each Month, was at its Maxima and Minima.*

Months, 1859.	The Mean Hourly Temperature of Air within the Box of the L. H. F. M.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Horizontal Force Thermometer was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°6	74°1	7°5	23	15
February	83·0	76·1	6·9	23	15
March	84·4	78·8	5·6	22	14
April	89·2	84·2	5·0	23	14
May	89·4	85·1	4·3	23	14
June	87·7	84·0	3·7	23	14
July	86·0	83·1	2·9	22	14
August	83·8	81·0	2·8	22	14
September	84·7	80·8	3·9	22	14
October	86·1	80·8	5·3	23	14
November	87·5	81·0	6·5	22	14
December	81·7	74·4	7·3	23	15

TABLE XXI.—*Mean Temperature of Circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		75°8		83°3	84°2	88°4	85°1	79°9	81°3		79°6	72°8
2	74°1	76·0	75°8		85·2	85·2		80·5	80·3	81°0	79·5	69·2
3	73·1	77·4	75·5	84·8	84·4	86·3	85·6	80·9		83·0	79·2	
4	69·8	78·2	75·2	84·0	84·4		84·3	80·7	78·2	83·6	79·5	74·5
5	71·6			84·3	84·0	81·3	85·8	80·8	78·9	83·4		74·3
6	75·6	76·7	76·8	83·5	83·9	80·4	86·0		78·3	83·4	80·6	72·9
7	77·1	74·0	76·9	83·9		78·9	86·0	81·5	78·6	81·4	81·1	72·9
8		74·9	77·1	84·2	84·8	80·7	85·6	81·8	79·2		81·6	75·4
9	76·4	73·7	78·0		84·5	83·6		82·0	78·5	80·7	81·1	75·2
10	75·5	74·4	78·8	84·4	84·4	82·3	84·2	81·7		80·3	81·5	
11	74·7	74·6	78·6	84·1	84·6		83·2	81·7	79·3	79·8	81·4	75·3
12	74·4			84·4	84·2	80·2	85·1		78·9	79·4		75·6
13	73·7	76·3	76·2	85·0	84·0	83·2	83·7		79·4	79·5	81·8	74·9
14	74·0	79·8	78·3	84·1		84·6	84·5	81·5	79·9	79·8	80·5	74·1
15		80·0	79·6	84·0	84·6	85·0	83·9	81·7	80·4		79·6	74·8
16	75·8	79·0	79·6		84·4	85·2		81·3	80·3	79·0	81·1	75·9
17	75·4	78·4	78·2	83·1	84·7	84·7	78·8	82·0		78·1	82.2	
18	74·7	77·5		84·0	85·4		78·7	81·1	79·5	78·2	81·4	74·9
19	74·1			83·3	85·6	84·8	78·1	82·3	79·8	78·0		73·0
20	77·0	77·7	82·2	83·2	86.2	84·9	80·9		80·6	78·3	81·0	72·9
21	79·6	76·4	81·9	83·1		85·2	79·3	79·7	80·0	79·1	81·6	74·2
22		75·3	80·3		85·5	85·1	79·6	79·3	78·8		80·5	74·8
23	76·5	74·0	80·0			84·5		77·3	81·6	80·2	81·4	76·2
24	75·5	75·6	81·7	85·0	86·0	84·3	81·3	77·3		79·7	81.3	
25	73·2	7·77	82·2	86·2	86·2		80·1	76·8	82·1		80·6	
26	73·4	78·6		85·8	86·1	84·8	79·8	77·7	79·1	79·7	80·8	75·5
27	73·0	78·1	81·9	87·8	86·7	84·1		78·9	81·0	79·8		75·0
28	74·0		81·6	85·6	87·1	84·7	80·9		81·0	79·3	78·6	74·5
29			81·1	85·8		85·2	79·8	79·3	80·7		76·9	73·2
30	73·6		83·4		87·5	85·3		80·9	82·5	80·8	76·8	72·1
31	75·6		85·4		88·1		80·3	81·0		80·8		

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Circumambient Air.	Difference from the Mean of Years.	FOR SEASONS.
January	74°6	− 5°6	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter .... 77°7
February	76·8	− 3·4	
March	79·5	− 0·7	
April	84·5	4·3	Mean of {April, May, June, / July, Aug., Sept.} or Summer..... 82·8
May	85·2	5·0	
June	84·1	3·9	
July	82·5	2·3	Mean of the year ..... 80·2
August.....	80·4	0·2	
September	80·1	− 0·1	Greatest monthly mean, in May ..... 85·2
October	80·7	0·5	Least monthly mean, in December..... 74·1
November	80·4	0·2	
December	78·1	− 6·1	Difference .... 11·1

TABLE XXIII.—*Mean Temperature of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	80°4	82°6	84°4	89°7	89°6	86°9	85°1	82°2	83°0	85°3	85°7	80°3
1	78·6	81·3	82·7	87·6	87·6	85·4	84·1	81·6	81·6	83·1	82·9	77·7
2	76·0	78·3	79·9	85·1	85·8	84·4	83·3	80·5	80·3	81·3	81·1	76·0
3	75·1	77·0	78·7	83·3	83·9	83·4	82·3	79·8	79·0	80·7	80·5	75·3
4	74·6	76·4	78·3	82·6	83·4	82·8	81·8	79·6	78·8	80·2	80·2	74·7
5	73·7	75·6	77·8	82·3	83·2	82·6	81·6	79·5	78·6	79·7	79·1	73·6
6	72·6	74·8	77·2	82·0	82·9	82·5	81·3	79·2	78·4	79·1	77·8	72·2
7	71·9	73·9	76·8	81·7	82·6	82·4	81·3	79·0	78·2	78·5	77·4	71·4
8	71·4	73·5	76·4	81·3	82·2	82·2	81·0	78·9	78·0	78·0	77·1	70·8
9	71·0	73·1	76·0	80·8	81·9	81·8	80·7	78·7	77·8	77·7	76·5	70·1
10	70·6	72·7	75·4	80·4	81·7	81·8	80·5	78·5	77·7	77·3	76·4	69·6
11	70·4	72·5	75·2	79·9	81·4	81·6	80·3	78·3	77·5	77·1	76·0	68·9
12	69·9	71·9	74·8	79·6	81·0	81·3	80·1	78·2	77·4	76·7	75·8	69·1
13	69·5	71·5	74·3	79·5	80·9	81·2	79·9	78·3	77·1	76·4	75·8	68·6
14	68·9	71·0	74·1	79·5	81·3	81·3	79·8	78·2	77·1	76·2	75·6	68·3
15	69·0	71·5	75·7	82·2	83·9	82·3	80·8	78·9	78·2	77·9	76·4	68·7
16	71·9	74·6	78·4	84·5	85·6	83·8	82·2	80·2	79·7	79·8	78·9	71·6
17	74·5	77·1	80·8	86·6	87·3	85·3	83·5	81·4	81·3	81·4	81·0	74·0
18	76·8	79·3	83·1	88·1	88·4	86·5	84·0	82·0	82·2	82·8	82·7	76·1
19	78·8	81·1	84·5	89·3	89·5	87·1	84·7	82·9	83·0	84·0	84·5	78·1
20	80·9	82·6	85·5	89·8	90·3	88·0	85·1	83·5	83·8	85·2	86·2	80·0
21	81·5	83·4	85·8	90·4	90·6	88·5	85·7	83·4	84·3	85·9	87·1	81·3
22	81·7	83·2	85·8	90·7	90·7	88·0	86·1	83·6	84·3	86·0	87·2	81·6
23	81·5	83·2	85·5	90·3	90·4	87·7	85·2	83·2	83·9	86·0	86·7	81·4

TABLE XXIV.—*Excess of the Mean Hourly Temperature of Circumambient Air, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	5°8	5°8	5°0	5°2	4°4	2°8	2°5	1°8	2°9	4°6	5°4	6·1
1	4·0	4·5	3·2	3·1	2·4	1·4	1·6	1·2	1·5	2·4	2·5	3·6
2	1·3	1·5	0·4	0·7	0·5	0·3	0·8	0·1	0·2	0·6	0·8	1·9
3	0·5	0·2	-0·8	-1·2	-1·3	-0·7	-0·2	-0·6	-1·1	0·0	0·2	1·1
4	0·0	-0·4	-1·1	-1·8	-1·8	-1·3	-0·7	-0·8	-1·3	-0·5	-0·2	0·6
5	-0·9	-1·2	-1·7	-2·1	-2·1	-1·5	-0·9	-0·9	-1·4	-1·0	-1·3	-0·6
6	-2·1	-2·0	-2·2	-2·5	-2·3	-1·6	-1·2	-1·2	-1·7	-1·7	-2·5	-1·9
7	-2·7	-2·8	-2·7	-2·8	-2·7	-1·7	-1·2	-1·4	-1·9	-2·4	-2·9	-2·8
8	-3·2	-3·3	-3·0	-3·2	-3·1	-1·9	-1·5	-1·5	-2·1	-2·7	-3·3	-3·4
9	-3·7	-3·7	-3·4	-3·7	-3·4	-2·3	-1·8	-1·7	-2·3	-3·0	-3·8	-4·0
10	-4·0	-4·1	-4·1	-4·0	-3·6	-2·3	-2·0	-1·9	-2·4	-3·4	-4·0	-4·5
11	-4·3	-4·3	-4·3	-4·6	-3·9	-2·5	-2·3	-2·1	-2·5	-3·8	-4·4	-5·2
12	-4·7	-4·9	-4·7	-4·9	-4·2	-2·8	-2·4	-2·2	-2·6	-4·2	-4·6	-5·0
13	-5·1	-5·3	-5·2	-5·0	-4·3	-2·9	-2·6	-2·1	-2·9	-4·3	-4·6	-5·6
14	-5·7	-5·8	-5·4	-5·0	-4·0	-2·8	-2·8	-2·2	-2·9	-4·7	-4·8	-5·8
15	-5·6	-5·3	-3·8	-2·3	-1·4	-1·8	-1·7	-1·5	-1·9	-2·8	-4·0	-5·5
16	-2·8	-2·2	-1·1	0·0	0·4	-0·3	-0·3	0·2	-0·4	-0·9	-2·4	-2·5
17	-0·1	0·4	1·3	2·1	2·1	1·2	1·0	1·0	1·2	0·7	0·6	-0·1
18	2·2	2·5	3·6	3·6	3·1	2·4	1·5	1·6	2·1	2·1	2·3	2·0
19	4·2	4·3	5·0	4·8	4·2	3·1	2·2	2·5	2·9	3·3	4·2	4·0
20	6·2	5·8	6·0	5·4	5·0	3·9	2·6	3·1	3·7	4·5	5·9	5·9
21	6·9	6·6	6·3	5·9	5·3	4·5	3·2	3·0	4·2	5·2	6·7	7·1
22	7·1	6·8	6·3	6·2	5·5	3·9	3·6	3·2	4·3	5·3	6·8	7·5
23	6·9	6·4	6·1	5·9	5·2	3·7	2·7	2·8	3·8	5·3	6·4	7·2

TABLE XXV.—*Showing, for the Year* 1859, *the Mean Temperature of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P. M.	84°6	4°4	
1	5 12 „	82·9	2·7	
2	6 12 „	81·0	0·8	
3	7 12 „	79·9	− 0·3	
4	8 12 „	79·4	− 0·8	
5	9 12 „	78·9	− 1·3	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night.... 78°0
6	10 12 „	78·3	− 1·9	
7	11 12 „	77·9	− 2·3	
8	0 12 A. M.	77·6	− 2·6	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day ..... 82·5
9	1 12 „	77·2	− 3·0	
10	2 12 „	76·9	− 3·3	Mean ..... 80·2
11	3 12 „	76·6	− 3·6	
12	4 12 „	76·3	− 3·9	
13	5 12 „	76·1	− 4·1	
14	6 12 „	75·9	− 4·3	TIMES OF MEAN MAXIMUM AND MINIMUM.
15	7 12 „	77·1	− 3·1	
16	8 12 „	79·3	− 0·9	G.M.T. B.C.T.
17	9 12 „	81·2	1·0	A minimum at 14 or 6 A. M.
18	10 12 „	82·7	2·5	A maximum at 22 or 2 P. M.
19	11 12 „	84·0	3·8	
20	0 12 P. M.	85·1	4·9	
21	1 12 „	85·6	5·4	
22	2 12 „	85·7	5·5	
23	3 12 „	85·4	5·2	

TABLE XXVI.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Hourly Temperature of Circumambient Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Circumambient Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Circumambient Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°7	68°9	12°8	22	14
February.....	83·4	71·0	12·4	21	14
March	85·8	74·1	11·7	22	14
April	90·7	79·5	11·2	22	13
May.....	90·7	80·9	9·8	22	13
June.....	88·5	81·2	7·3	21	13
July.....	86·1	79·8	6·3	22	14
August.....	83·6	78·2	5·4	22	14
September	84·3	77·1	7·2	21	14
October	86·0	76·2	9·8	23	14
November	87·2	75·6	11·6	22	14
December.....	81·6	68·3	13·3	22	14

TABLE XXVII.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effect of Circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		8·0333		8·0136	8·0192	8·0394	8·0744	8·1104	8·0687*		8·0281	8·0379
2	8·0499*	·0327	8·0269		·0160	·0437		·1111	·0546*	8·0540*	·0323	·0442
3	·0529	·0329	·0277	·0227	·0140	·0454	·0800	·1130		·0586	·0307	
4	·0545	·0307	·0263	·0249	·0230		·0716	·1135	·0888*	·0563	·0317	·0393
5	·0526			·0234	·0199	·0505	·0749	·1129	·0799*	·0617		·0312
6	·0496	·0324	·0314	·0227	·0233	·0539	·0756		·0831*	·0593	·0264	·0355
7	·0445	·0365	·0331	·0179		·0561	·0750	·1146	·0939	·0636	·0246	·0297
8		·0365	·0342	·0170	·0246	·0345*	·0787	·1120	·0932		·0233	·0229
9	·0450	·0188	·0274		·0263	·0356		·1140	·0973	·0632	·0233	·0259
10	·0323*	·0215	·0224	·0199	·0257	·0445	·0788	·1128		·0619	·0155	
11	·0357	·0282	·0227	·0215	·0270		·0638*	·1108	·0962	·0582	·0197	·0185
12	·0360			·0224	·0250	·0508	·0746		·0920	7·9838*		·0260
13	·0378	·0333	·0290	·0181	·0266	·0515	·0822		·0834	8·0736*	7·9998*	7·9913*
14	·0407	·0303	·0269	·0172		·0530	·0873	·1160	·0828	·0433	8·0132	8·0125*
15		·0288	·0283	·0200	·0288	·0479	·0901	·1136	·0798		·0212	·0237
16	·0277	·0308	·0210		·0328	·0445		·1037	·0774	·0463	·0192	·0291
17	·0333	·0289	·0228	·0271	·0324	·0512	·0956	·1036		·0396	·0216	
18	·0326	·0328		·0225	·0346		·0763*	·1063	·0834	·0080*	·0223	·0385
19	·0324			·0211	·0143*	·0569	·0925	·1035	·0849	·0276*		·0401
20	·0346	·0289	·0242	·0302	·0226	·0591	·0938		·0826	·0253*	·0245	·0388
21	·0302	·0355*	·0216	7·9883*		·0589	·0971	·1116	·0820	·0072*	·0256	·0390
22		·0329	·0262		·0314	·0621	·0992	·1086	·0852		·0274	·0402
23	·0400	·0172*	·0279			·0680		·1139	·0760	·0291	·0254	·0380
24	·0401	·0093*	·0149	8·0098	·0378	·0695	·0990	·1144		·0348	·0262	
25	·0422	·0207	·0154	·0114	·0355		·1043	·1158	·0685		·0301	
26	·0383	·0049*		·0135	·0366	·0608	·1024	·1137	·0749	·0382	·0301	·0448
27	·0333	·0150	·0115	·0109	·0371	·0648		·1158	·0711	·0400		·0456
28	·0341		·0167	·0128	·0404	·0681	·1063		·0730	·0406	·0311	·0443
29			·0153	7·9894*		·0813	·1034	·0578*	·0726		·0363	·0505
30	·0423		·0082		·0361	·0709		·0874	·0765	·0352	·0332	·0479
31	·0375		·0115		·0375		·1074	·0947		·0286		

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XXVIII.—*Showing, for each Month, the Mean Value of Horizontal Intensity, corrected for the Effect of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Years.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·0400	−0·0091	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter .. 8·0336
February.....	·0294	− ·0197	
March.....	·0228	− ·0263	
April	·0190	− ·0301	Mean of {April, May, June, July, Aug., Sept.} or Summer.. 8·0645
May	·0286	− ·0205	
June	·0552	·0061	
July	·0916	·0425	Mean of the year ..... 8·0491
August.....	·1100	·0609	
September	·0828	·0337	Greatest monthly mean, in August ..... 8·1100
October	·0478	− ·0013	Least monthly mean, in April ..... 8·0190
November	·0256	− ·0235	
December.....	·0362	− ·0129	Difference..... 0·0910

TABLE XXIX.—*Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8·0320	8·0224	8·0144	8·0107	8·0206	8·0495	8·0861	8·1067	8·0781	8·0408	8·0184	8·0271
1	·0313	·0214	·0159	·0118	·0215	·0494	·0850	·1056	·0792	·0419	·0195	·0285
2	·0340	·0230	·0176	·0119	·0205	·0494	·0850	·1060	·0798	·0418	·0190	·0282
3	·0329	·0223	·0174	·0120	·0231	·0494	·0859	·1073	·0789	·0407	·0171	·0277
4	·0336	·0223	·0171	·0134	·0241	·0500	·0867	·1051	·0774	·0415	·0172	·0267
5	·0344	·0233	·0170	·0143	·0253	·0510	·0867	·1047	·0778	·0430	·0188	·0273
6	·0364	·0265	·0180	·0150	·0262	·0513	·0878	·1054	·0791	·0434	·0215	·0299
7	·0384	·0271	·0195	·0169	·0265	·0517	·0884	·1060	·0799	·0452	·0234	·0327
8	·0399	·0289	·0213	·0181	·0272	·0517	·0891	·1061	·0807	·0467	·0242	·0340
9	·0411	·0295	·0220	·0194	·0278	·0522	·0900	·1064	·0814	·0469	·0259	·0363
10	·0415	·0312	·0232	·0199	·0285	·0528	·0902	·1071	·0824	·0478	·0268	·0376
11	·0424	·0299	·0233	·0214	·0295	·0533	·0905	·1079	·0837	·0468	·0267	·0396
12	·0441	·0314	·0239	·0222	·0309	·0539	·0917	·1079	·0838	·0500	·0269	·0402
13	·0451	·0328	·0256	·0221	·0317	·0549	·0921	·1080	·0841	·0513	·0277	·0413
14	·0469	·0358	·0259	·0227	·0317	·0562	·0935	·1090	·0834	·0521	·0308	·0432
15	·0470	·0348	·0251	·0199	·0278	·0579	·0938	·1086	·0809	·0494	·0316	·0436
16	·0459	·0342	·0265	·0218	·0318	·0598	·0959	·1108	·0812	·0530	·0336	·0398
17	·0464	·0366	·0306	·0281	·0363	·0633	·0992	·1165	·0874	·0576	·0360	·0443
18	·0435	·0380	·0294	·0316	·0389	·0658	·1018	·1216	·0919	·0600	·0376	·0473
19	·0467	·0387	·0328	·0309	·0386	·0664	·1012	·1217	·0930	·0602	·0363	·0465
20	·0440	·0365	·0303	·0281	·0354	·0643	·0997	·1210	·0900	·0560	·0323	·0420
21	·0387	·0319	·0261	·0222	·0320	·0605	·0960	·1181	·0865	·0499	·0265	·0375
22	·0361	·0270	·0208	·0174	·0274	·0565	·0923	·1141	·0831	·0425	·0199	·0327
23	·0331	·0238	·0165	·0135	·0232	·0526	·0891	·1093	·0802	·0395	·0191	·0289

TABLE XXX.—*Showing, for the Year* 1859, *the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0422	−0·0068
1	5 12 „	·0425	− ·0065
2	6 12 „	·0430	− ·0060
3	7 12 „	·0430	− ·0060
4	8 12 „	·0431	− ·0059
5	9 12 „	·0437	− ·0059
6	10 12 „	·0451	− ·0039
7	11 12 „	·0464	− ·0026
8	0 12 A. M.	·0473	− ·0017
9	1 12 „	·0483	− ·0007
10	2 12 „	·0486	− ·0004
11	3 12 „	·0496	·0006
12	4 12 „	·0506	·0016
13	5 12 „	·0513	·0023
14	6 12 „	·0527	·0037
15	7 12 „	·0518	·0028
16	8 12 „	·0528	·0038
17	9 12 „	·0566	·0076
18	10 12 „	·0589	·0099
19	11 12 „	·0594	·0104
20	0 12 P. M.	·0566	·0076
21	1 12 „	·0522	·0032
22	2 12 „	·0475	− ·0015
23	3 12 „	·0441	− ·0049

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night....	8·0466
Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day	8·0514
Mean	8·0490

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A maximum at	14 or	6 A. M.
A minimum at	15 or	7 „
A maximum at	19 or	11 „
A minimum at	Noon or	4 P. M.

TABLE XXXI.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient, Air in each Month, was at its Maximum and Minimum.*

Months, 1859.	Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, was at its 1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	1st Morning Maximum.	1st Morning Minimum.	2nd Morning Maximum.	2nd Morning Maximum.	Midday Maximum.	Mean Diurnal Range.	The Time at which the Mean Value of Horizontal Intensity corrected, was at its 1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	1st Morning Maximum.	1st Morning Minimum.	2nd Morning Maximum.	2nd Morning Minimum.	Midday Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H	H	H
January	8·0313	8·0340	8·0329	8·0470	8·0459	8·0464	8·0435	8·0467	0·0157	1	2	3	15	16	17	18	19
February ..	·0214	·0230	·0223	·0312	·0299	·0358	·0342	·0387	·0173	1	2	4	10	11	14	16	19
March.....	·0144	·0176	·0170	·0259	·0251	·0306	·0294	·0328	·0184	0	2	5	14	15	17	18	19
April	·0107			·0227	·0199			·0316	·0209	0			14	15			18
May	·0206	·0215	·0205	·0317	·0278			·0389	·0184	0	1	2	14	15			18
June			·0494					·0664	·0170			3					19
July			·0850					·1018	·0168			2					18
August	·1056	·1073	·1047	·1090	·1086			·1217	·0170	1	3	5	14	15			19
September ..	·0781	·0798	·0774	·0841	·0809			·0920	·0156	0	2	4	13	15			19
October	·0395	·0419	·0407	·0478	·0468	0·0521	·0494	·0602	·0207	23	1	3	10	11	14	15	19
November ..	·0184	·0195	·0171					·0376	·0205	0	1	3					18
December ..	·0271	·0285	·0267	·0436	0·398			·0473	.0206	0	1	4	15	16			18

TABLE XXXII.—*Daily Range of Absolute Horizontal Force, as obtained from the Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		0·0197		0·0310	0·0280	0·0231	0·0272	0·0224	0·3771		0·0245	0·0284
2	0·0192	·0289	0·0284		·0229	·0360		·0238	·1345	0·0399	·0284	·0267
3	·0246	·0267	·0354	·0382	·0290	·0308	·0164	·0315		·0318	·0308	
4	·0185	·0228	·0276	·0246	·0314		·0180	·0260	·0775	·0355	·0307	·0210
5	·0262			·0376	·0272	·0274	·0284	·0243	·0530	·0373		·0300
6	·0335	·0219	·0323	·0264	·0347	·0280	·0197		·0365	·0310	·0264	·0352
7	·0251	·0266	·0349	·0417		·0351	·0206	·0213	·0234	·0301	·0378	·0326
8		·0348	·0307	·0465	·0291	·0318	·0243	·0165	·0247		·0314	·0418
9	·0164	·0407	·0293		·0281	·0325		·0210	·0295	·0286	·0300	·0410
10	·0443	·0259	·0331	·0337	·0171	·0267	·0237	·0246		·0309	·0300	
11	·0247	·0301	·0232	·0396	·0254		·0504	·0194	·0355	·0176	·0250	·0390
12	·0251			·0276	·0357	·0192	·0233		·0172	·1746		·0446
13	·0219	·0262	·0367	·0307	·0266	·0263	·0326		·0255	·0471	·0448	·0783
14	·0156	·0277	·0337	·0253		·0246	·0252	·0307	·0162	·0368	·0287	·0203
15		·0311	·0351	·0273	·0257	·0280	·0236	·0371	·0304		·0349	·0392
16	·0288	·0319	·0263		·0295	·0345		·0303	·0234	·0271	·0478	·0352
17	·0272	·0279	·0335	·0272	·0308	·0251	·0344	·0328		·0252	·0311	
18	·0260	·0297		·0396	·0314		·0315	·0259	·0218	·0666	·0248	·0249
19	·0226			·0326	·0452	·0256	·0317	·0257	·0241	·0368		·0155
20	·0292	·0308	·0407	·0367	·0303	·0235	·0214		·0253	·0391	·0246	·0323
21	·0377	·0299	·0347	·0687		·0213	·0195	·0230	·0217	·0626	·0231	·0252
22		·0212	·0378		·0218	·0209	·0279	·0313	·0253		·0278	·0353
23	·0356	·0293	·0213			·0267		·0211	·0302	·0279	·0262	·0323
24	·0231	·0344	·0312	·0339	·0325	·0278	·0288	·0285		·0260	·0293	
25	·0208	·0443	·0246	·0321	·0255		·0272	·0205	·0335		·0361	
26	·0185	·0770		·0307	·0212	·0193	·0265	·0496	·0197	·0350	·0342	·0281
27	·0141	·0373	·0286	·0346	·0231	·0243		·0351	·0153	·0359		·0283
28	·0180		·0415	·0344	·0260	·0241	·0175		·0321	·0249	·0438	·0239
29			·0241	·0420		·0304	·0176	·1105	·0252		·0239	·0239
30	·0248		·0307		·0288	·0231		·0371	·0396	·0390	·0177	·0198
31	·0330		·0290		·0244		·0230	·0348		·0251		

TABLE XXXIII.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Value of Horizontal Intensity, corrected for Instrumental Errors, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1859.	The Value of Horizontal Intensity corrected.		Extreme Range.	The Time at which the Value of Horizontal Intensity was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D. H.	D. H.
January	8·0563	8·0008	0·0555	23 19	10 4
February	·0511	7·9516	·0995	21 20	26 5
March	·0557	·9993	·0564	20 20	28 Noon.
April	·0615	·9581	·1034	20 19	21 7
May.....	·0691	·9958	·0733	24 20	19 6
June	·0770	8·0186	·0584	3 20	8 4
July.....	·1238	·0411	·0827	25 21	11 6
August.....	·1401	7·9889	·1512	26 18	29 Noon.
September	·1093	·7460	·3633	30 19	1 19
October	·0870	·8743	·2127	10 19	12 6
November	·0552	·9994	·0558	26 19	13 5
December	·0552	·9568	·0984	27 19	13 3

TABLE XXXIV.—*Mean Value of Calculated Dip, corrected for Instrumental Error, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		19°05′9		19°14′0	19°09′8	19°09′3	19°03′6	19°09′8	19°19′3*		19°05′4	19°08′4
2	18°43′9	·07·1	19°07′5		·10·3	·09·6		·11·4	·23·7*	19°05′6*	·05·9	·12·5
3	·45·5	·08·0	·07·4	·12·0	·11·0	·09·3	·04·4	·09·0		·02·4	·05·4	
4	·48·8	·07·6	·08·1	·10·9	·11·1		·06·0	·09·1	·19·4*	·01·7	·04·9	·09·1
5	·48·6			·10·5	·10·9	·10·4	·06·0	·08·5	·19·6*	·00·5		·10·6
6	·49·9	·10·2	·05·7	·09·7	·10·2	·09·4	·05·1		·18·5*	·01·2	·05·9	·12·2
7	·50·4	·11·9	·04·9	·12·0		·10·3	·04·4	·07·4	·16·3	·01·9	·03·9	·12·2
8		·15·2	·04·8	·11·2	·09·3	·12·3*	·04·1	·07·9	·14·9		·04·6	·18·9
9	·51·0	·20·5	·04·4		·09·6	·12·1		·08·0	·13·3	·00·4	·06·0	·17·7
10	·53·3*	·19·7	·04·7	·09·8	·09·9	·13·1	·05·7	·09·5		18·59·8	·07·9	
11	·53·5	·16·0	·04·0	·09·8	·09·4		·09·9*	·10·0	·12·1	19·03·9*	·08·5	·17·0
12	·53·3			·08·7	·10·1	·12·7	·07·1		·10·7	·23·9*		·13·8
13	·54·6	·16·0	·04·8	·09·2	·10·2	·09·0	·06·9		·10·9	·16·3	·12·5*	·16·5*
14	·54·0	·14·9	·05·7	·10·3		·07·8	·04·2	·09·8	·10·2	·14·1	·09·8	·12·5*
15		·12·7	·07·3	·10·1	·09·5	·08·3	·04·5	·09·5	·09·9		·09·0	·09·2
16	·55·7	·12·2	·08·9		·08·8	·07·6		·10·0	·11·0	·12·3	·09·5	·07·4
17	·54·8	·12·8	·10·6	·11·2	·08·4	·06·7	·08·0	·08·9		·13·8	·07·7	
18	·55·6	·13·1		·11·4	·07·9		·12·1*	·08·4	·11·5	·18·5*	·07·4	·04·2
19	·57·4			·10·6	·10·6*	·06·1	·10·5	·07·3	·11·7	·15·1*		·04·4
20	·57·6	·11·2	·08·1	·10·3	·08·7	·05·7	·08·1		·10·7	·14·4*	·07·2	·04·0
21	·56·1	·11·7*	·08·1	·16·7*		·07·1	·07·8	·08·1	·09·7	·16·3*	·06·6	·03·2
22		·10·9	·08·3		·08·7	·06·8	·07·6	·08·2	·09·6		·07·0	·02·2
23	·56·9	·13·5*	·08·8			·06·4		·09·5	·05·5	·11·5	·07·1	·03·4
24	·58·1	·14·3*	·10·8	·12·4	·08·2	·06·5	·06·3	·10·3		·10·3	·06·7	
25	19·00·3	·11·5	·10·9	·12·1	·08·6		·05·5	·08·6	·05·2		·06·2	
26	·01·7	·12·3*		·11·2	·09·7	·07·3	·08·5	·06·8	·06·3	·08·2	·07·3	·14·1
27	·04·2	·09·4	·13·1	·10·2	·08·0	·07·8		·05·7	·05·6	·07·9		·11·3
28	·04·0		·13·1	·10·7	·08·6	·06·9	·07·1		·04·8	·07·0	·05·9	·09·8
29			·13·9	·14·0*		·06·4	·07·3	·26·9*	·04·1		·05·7	·07·1
30	·04·4		·13·3		·08·7	·04·8		·19·1	·02·0	·06·0	·06·0	·05·8
31	·04·9		·13·8		·08·6		·09·2	·16·9		·06·5		

* This sign denotes an Abnormal day, or the day on which Magnetic Disturbances occurred.

TABLE XXXV.—*Showing, for each Month, the Mean Value of Calculated Dip, and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Calculated Dip.	Difference from the Mean of the Year.	FOR SEASONS.	
January	18°55′4	−0°12′4	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter ..	19°06′5
February.....	19·22·3	·04·5		
March	·09·1	·01·3		
April	·10·9	·03·1	Mean of { April, May, June, July, Aug., Sept. } or Summer..	19·09·2
May	·09·8	·02·1		
June.....	·08·6	·00·8		
July	·06·5	− ·01·3	Mean of the year	19·07·8
August.....	·09·9	·02·1		
September	·09·3	·01·5	Greatest monthly mean, in February	19·12·3
October	·05·9	− ·01·9	Least monthly mean, in January.....	18·55·4
November	·05·7	− ·01·1		
December.....	·09·5	·01·7	Difference	0·16·9

TABLE XXXVI.—*Mean Value of Calculated Dip, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	18°52′7	19°09′9	19°07′2	19°10′6	19°09′5	19°08′0	19°05′7	19°09′6	19°09′0	19°04′7	19°05′1	19°06′9
1	·54·2	·11·1	·07·0	·10·5	·10·1	·08·5	·06·3	·09·5	·08·1	·04·8	·05·7	·07·7
2	·54·9	·12·0	·07·7	·11·1	·10·1	·08·5	·06·3	·09·6	·08·6	·05·7	·06·2	·08·8
3	·55·8	·12·9	·09·2	·12·2	·10·3	·08·7	·06·3	·09·9	·09·5	·06·1	·07·6	·09·8
4	·56·0	·13·3	·09·5	·12·5	·10·6	·09·1	·06·8	·10·3	·09·6	·06·4	·07·6	·10·1
5	·56·4	·13·3	·09·6	·12·6	·10·8	·09·1	·07·3	·10·6	·10·1	·06·5	·08·4	·10·3
6	·56·4	·13·5	·09·6	·12·6	·11·1	·09·1	·07·4	·10·9	·10·2	·06·5	·07·9	·10·4
7	·56·6	·13·3	·09·7	·12·5	·11·4	·09·1	·07·5	·11·0	·10·7	·06·9	·08·0	·10·5
8	·56·6	·13·7	·09·6	·12·6	·11·6	·09·5	·07·7	·11·4	·10·8	·06·8	·08·2	·10·5
9	·56·9	·13·6	·09·8	·12·6	·11·7	·09·6	·07·8	·11·5	·11·0	·07·0	·08·3	·10·6
10	·56·9	·13·8	·09·8	·12·4	·11·6	·09·8	·07·9	·11·5	·10·9	·07·1	·08·3	·10·7
11	·57·1	·13·8	·09·9	·12·6	·11·8	·09·9	·07·9	·11·6	·11·0	·07·4	·08·4	·10·7
12	·57·0	·13·8	·10·0	·12·6	·11·8	·10·2	·07·9	·11·8	·11·1	·07·7	·08·4	·10·6
13	·56·9	·14·1	·10·4	·12·7	·12·2	·10·6	·08·5	·12·1	·11·5	·07·2	·08·3	·10·8
14	·56·9	·14·6	·10·6	·12·9	·12·6	·11·5	·09·1	·12·9	·12·6	·07·5	·08·1	·10·7
15	·57·9	·14·4	·11·2	·13·5	·12·3	·10·7	·08·3	·12·8	·12·4	·07·6	·07·9	·11·1
16	·58·2	·13·9	·10·0	·11·5	·10·2	·08·9	·06·9	·11·1	·10·7	·06·0	·07·0	·11·2
17	·56·7	·12·8	·08·0	·08·4	·06·7	·06·5	·04·7	·08·5	·07·8	·04·5	·05·8	·10·5
18	·53·2	·10·8	·05·3	·06·8	·05·2	·04·8	·03·4	·06·5	·05·7	·03·2	·04·3	·08·9
19	·51·3	·08·8	·04·0	·05·5	·05·2	·03·8	·03·2	·06·0	·05·0	·02·8	·03·5	·07·6
20	·51·3	·08·6	·04·2	·06·3	·05·6	·04·2	·04·4	·05·9	·05·3	·03·1	·04·2	·07·2
21	·52·0	·09·3	·05·4	·07·7	·06·8	·05·2	·03·9	·06·4	·06·8	·04·8	·04·5	·07·2
22	·51·8	·10·1	·06·8	·09·0	·07·8	·06·4	·04·9	·07·5	·08·0	·05·9	·04·8	·07·1
23	·53·2	·09·5	·07·6	·10·2	·08·6	·07·4	·06·3	·08·9	·08·0	·06·0	·05·2	·07·4

TABLE XXXVII.—*Showing, for the Year* 1859, *the Mean Value of Calculated Dip, corrected for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Calculated Dip Corrected.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	19°06′7	−0°01′1
1	5 12 „	·07·0	− ·00·8
2	6 12 „	·07·5	− ·00·3
3	7 12 „	·08·2	·00·4
4	8 12 „	·08·5	·00·7
5	9 12 „	·08·7	·00·9
6	10 12 „	·08·8	·01·0
7	11 12 „	·08·9	·01·1
8	0 12 A. M.	·09·1	·01·3
9	1 12 „	·09·2	·01·4
10	2 12 „	·09·2	·01·4
11	3 12 „	·09·3	·01·5
12	4 12 „	·09·4	·01·6
13	5 12 „	·09·6	·01·8
14	6 12 „	·10·0	·02·2
15	7 12 „	·10·0	·02·2
16	8 12 „	·08·8	·01·0
17	9 12 „	·06·7	− ·01·1
18	10 12 „	·04·8	− ·03·0
19	11 12 „	·03·9	− ·03·9
20	0 12 P. M.	·04·1	− ·03·7
21	1 12 „	·05·0	− ·02·8
22	2 12 „	·05·8	− ·02·0
23	3 12 „	·06·5	− ·01·3

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night .... 19°0′9

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day .... 19·06·6

Mean..... 19·07·8

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A maximum at about	14	or 6 A. M.
A minimum at about	19	or 11 A. M.

TABLE XXXVIII.—*Excess of the Hourly Mean Values of Calculated Dip above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	−0°01′7	−0°01′6	−0°01′9	−0°00′3	−0°00′3	−0°00′6	−0°00′8	−0°00′3	−0°00′3	−0°01′2	−0°01′6	−0°02′6
1	− ·01·2	− ·01·2	− ·02·1	− ·00·4	·00·3	− ·00·1	− ·00·2	− ·00·4	− ·01·2	− ·01·1	− ·01·0	− ·01·8
2	− ·00·5	− ·00·3	− ·01·4	·00·2	·00·3	− ·00·1	− ·00·2	− ·00·3	− ·00·7	− ·00·2	− ·00·5	− ·00·7
3	·00·4	·00·6	·00·1	·01·3	·00·5	·00·1	− ·00·2	− ·00·0	·00·2	·00·2	·00·9	·00·3
4	·00·6	·01·0	·00·4	·01·6	·00·8	·00·5	·00·3	·00·4	·00·3	·00·5	·00·9	·00·6
5	·01·0	·01·0	·00·5	·01·7	·01·0	·00·5	·00·8	·00·7	·00·8	·00·6	·01·7	·00·8
6	·01·0	·01·2	·00·5	·01·7	·01·3	·00·5	·00·9	·01·0	·00·9	·00·6	·01·2	·00·9
7	·01·2	·01·0	·00·6	·01·6	·01·6	·00·5	·01·0	·01·1	·01·4	·01·0	·01·3	·01·0
8	·01·2	·01·4	·00·5	·01·7	·01·8	·00·9	·01·2	·01·5	·01·5	·00·9	·01·5	·01·0
9	·01·5	·01·3	·00·7	·01·7	·01·9	·01·0	·01·3	·01·6	·01·7	·01·1	·01·6	·01·1
10	·01·5	·01·5	·00·7	·01·5	·01·8	·01·2	·01·4	·01·6	·01·6	·01·2	·01·6	·01·2
11	·01·7	·01·5	·00·8	·01·7	·02·0	·01·3	·01·4	·01·7	·01·7	·01·5	·01·7	·01·2
12	·01·6	·01·5	·00·9	·01·7	·02·0	·01·6	·01·4	·01·9	·01·8	·01·8	·01·7	·01·1
13	·01·5	·01·8	·01·3	·01·8	·02·4	·02·0	·02·0	·02·2	·02·2	·01·3	·01·6	·01·3
14	·01·5	·02·3	·01·5	·02·0	·02·8	·02·9	·02·6	·03·0	·03·3	·01·6	·01·4	·01·1
15	·02·5	·02·1	·02·1	·02·6	·02·5	·02·1	·01·8	·02·9	·03·1	·01·7	·01·2	·01·6
16	·02·8	·01·6	·00·9	·00·6	·00·4	·00·3	·01·4	·01·2	·01·4	·00·2	·00·3	·01·7
17	·01·3	·00·5	− ·01·1	− ·02·5	− ·03·1	− ·02·1	− ·01·8	− ·01·4	− ·01·5	− ·00·4	− ·00·9	·01·0
18	− ·02·2	− ·01·5	− ·03·8	− ·04·1	− ·04·6	− ·03·8	− ·03·1	− ·03·4	− ·03·6	− ·02·7	− ·02·4	− ·00·6
19	− ·04·1	− ·03·5	− ·05·1	− ·05·4	− ·04·6	− ·04·8	− ·03·3	− ·03·9	− ·04·3	− ·03·1	− ·03·2	− ·01·9
20	− ·04·1	− ·03·7	− ·04·9	− ·04·6	− ·04·2	− ·04·4	− ·03·1	− ·04·0	− ·04·0	− ·02·8	− ·02·5	− ·02·3
21	− ·03·4	− ·03·0	− ·03·7	− ·03·2	− ·03·0	− ·03·4	− ·02·6	− ·03·5	− ·02·5	− ·01·1	− ·02·2	− ·02·3
22	− ·03·6	− ·02·2	− ·02·3	− ·01·9	− ·02·0	− ·02·2	− ·01·6	− ·02·4	− ·01·3	·00·0	− ·01·9	− ·02·4
23	− ·03·2	− ·02·8	− ·01·5	− ·00·7	− ·01·2	− ·01·2	− ·00·2	− ·01·0	− ·01·3	·00·2	− ·01·5	− ·02·1

TABLE XXXIX.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Hourly Value of Calculated Dip, corrected in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Value of Calculated Dip.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Calculated Dip, was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	18°58′2	18°51′3	0°06′9	16	19
February	19·14·6	19·08·6	·06·0	14	20
March	·11·2	·04·0	·07·2	15	19
April	·13·5	·05·5	·08·0	15	19
May	·12·6	·05·2	·07·4	14	18
June	·11·5	·03·8	·07·7	14	19
July	·09·1	·03·2	·05·9	14	19
August	·12·9	·05·9	·07·0	14	20
September	·12·6	·05·0	·07·6	14	19
October	·07·7	·02·8	·04·9	12	19
November	·08·4	·03·5	·04·9	12	19
December	·11·2	·06·9	·04·3	16	Noon.

TABLE XL.—*Daily Range of Calculated Dip, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		0°06′9		0°06′9	0°08′8	0°08′1	0°08′5	0°06′4	0°41′6		0°03′5	0°04′8
2	0°08′3	·10·3	0·04′4		·09·2	·09·6		·07·9	·19·6	0°08′4	·03·7	·10·2
3	·06·4	·08·1	·06·8	·07·0	·09·8	·09·0	·04·1	·08·8		·06·7	·03·2	
4	·09·1	·08·2	·05·2	·07·7	·09·6		·04·6	·07·2	·17·2	·05·4	·04·7	·04·4
5	·07·7			·07·9	·09·5	·06·9	·05·3	·08·1	·16·0	·09·4		·07·3
6	·10·1	·05·4	·07·0	·07·0	·09·9	·07·0	·05·2		·08·4	·06·6	·07·8	·04·9
7	·07·4	·07·1	·09·2	·11·3		·08·9	·06·8	·08·4	·11·6	·08·2	·06·8	·05·4
8		·09·0	·08·5	·07·4	·09·9	·06·9	·06·9	·07·3	·08·9		·06·5	·10·9
9	·06·7	·09·2	·07·3		·07·1	·10·8		·07·7	·09·2	·09·5	·06·8	·05·2
10	·07·1	·06·7	·07·3	·09·2	·07·0	·07·8	·08·0	·09.4		·06·8	·06·9	
11	·07·2	·07·9	·08·7	·10·1	·08·8		·08·2	·06·5	·09·0	·07·2	·03·9	·07·4
12	·08·4			·10·4	·09·5	·09·5	·08·1		·06·4	·26·6		·05·2
13	·09·0	·09·8	·09·0	·08·9	·08·5	·07·3	·09·0		·08·0	·08·0	·08·8	·10·9
14	·07·9	·07·3	·09·3	·06·7		·08·8	·08·1	·09·7	·07·0	·04·8	·07·2	·06·0
15		·07·3	·09·1	·09·9	·08·4	·09·0	·07·7	·08·9	·09·3		·05·3	·07·0
16	·07·4	·04·7	·07·8		·08·6	·08·1		·06·2	·06·8	·04·4	·07·1	·04·4
17	·06·2	·05·9	·07·8	·10·5	·10·1	·07·3	·07·1	·07·6		·10·2	·07·5	
18	·06·4	·07·6		·10·4	·08·1		·04·7	·08·7	·08·6	·09·8	·05·7	·04·4
19	·06·4			·10·4	·11·6	·07·6	·07·3	·09·4	·07·2	·05·6		·06·2
20	·08·1	·09·4	·09·5	·08·8	·09·1	·07·7	·06·5		·08·5	·05·4	·05·3	·05·6
21	·07·7	·09·4	·09·5	·13·0		·07·0	·06·7	·05·9	·06·8	·07·6	·06·6	·05·1
22		·06·2	·07·9		·07·9	·07·0	·07·9	·08·6	·07·5		·04·9	·06·0
23	·09·1	·06·8	·06·5			·05·9		·06·2	·09·5	·04·8	·03·9	·09·9
24	·09·6	·05·8	·07·7	·07·7	·06·9	·08·7	·08·3	·07·9		·04·9	·06·5	
25	·08·5	·07·3	·08·2	·09·2	·08·2		·06·0	·06·5	·08·1		·05·9	
26	·08·1	·12·5		·07·0	·07·2	·05·9	·05·4	·11·3	·07·3	·05·1	·05·7	·06·4
27	·08·6	·06·9	·06·9	·09·4	·06·1	·07·2		·08·5	·06·0	·05·5		·07·0
28	·07·0		·08·8	·06·5	·06·7	·09·0	·06·3		·07·9	·03·5	·07·9	·05·5
29			·08·0	·07·2		·08·3	·07·1	·19·8	·08·8		·05·2	·06·1
30	·06·3		·07·9		·07·3	·09·6		·10·1	·10·7	·05·7	·02·8	·05·6
31	·06·5		·06·7		·07·1		·07·9	·11·1		·04·2		

TABLE XLI.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Calculated Dip, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1859	The Values of Calculated Dip in Simple Hourly Observations.		Mean Diurnal Range.	The Time at which the Hourly Dip in Simple Observations was	
	Greatest.	Least.		Greatest.	Least.
				D. H.	D. H.
January	19°07′5	18°50′9	0°16′6	27 16	23 19
February	·24·6	19·02·1	·22·5	9 15	4 20
March	·16·8	18·57·8	·19·0	29 15	13 19
April	·24·6	19·01·8	·22·8	21 6	12 19
May.....	·16·2	·02·1	·14·1	3 15	20 18
June.....	·18·9	18·58·3	·20·6	9 14	30 19
July.....	·14·5	·58·7	·15·8	18 2	1 19
August.....	·36·3	19·03·2	·33·1	29 3	3 20
September	·53·3	18·55·3	·58·0	1 19	30 19
October	·39·9	·54·6	·45·3	12 6	5 20
November	·16·5	·59·0	·17·5	13 5	7 19
December.....	·16·8	19·05·8	·11·0	26 17	1 Noon.

TABLE XLII.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		2·7809		2·8018	2·7917	2·7928	2·7776	2·7923	2·8035*		2·7928	2·7903
2	2·7275	·7827	2·7867		·7925	·7927		·7964	·8099*	2·7758*	·7930	·7995
3	·7313	·7852	·7862	·8006	·7942	·7921	·7799	·7911		·7712	·7919	
4	·7385	·7828	·7879	·7980	·7961		·7804	·7914	·8100*	·7697	·7920	·7914
5	·7377			·7957	·7938	·7934	·7816	·7893	·8081*	·7692		·7914
6	·7415	·7879	·7841	·7959	·7927	·7910	·7790		·8076*	·7713	·7809	·7916
7	·7418	·7907	·7829	·7978		·7926	·7768	·7869	·8062	·7734	·7741	·7929
8		·7994	·7829	·7955	·7912	·7914*	·7764	·7874	·8035		·7763	·8078
9	·7427	·8068	·7806		·7921	·7923		·7883	·8002	·7744	·7801	·8062
10	·7439*	·8059	·7798	·7933	·7925	·7969	·7789	·7915		·7723	·7829	
11	·7452	·8005	·7782	·7934	·7914		·7843*	·7921	·7975	·7808	·7852	·8016
12	·7454			·7912	·7921	·7965	·7817		·7923	·8082*		·7961
13	·7487	·8048	·7782	·7918	·7924	·7881	·7827		·7906	·8062*	·7901*	·7902*
14	·7481	·8037	·7820	·7942		·7861	·7777	·7930	·7889	·8053	·7872	·7878*
15		·7986	·7889	·7936	·7913	·7857	·7785	·7920	·7875		·7878	·7835
16	·7507	·7971	·7905		·7908	·7822		·7895	·7901	·8029	·7894	·7809
17	·7500	·7984	·7950	·7983	·7896	·7818	·7858	·7878		·8048	·7867	
18	·7512	·7983		·7974	·7886		·7897*	·7873	·7944	·8067*	·7860	·7754
19	·7552			·7957	·7884*	·7819	·7904	·7843	·7959	·8048*		·7754
20	·7561	·7937	·7905	·7962	·7869	·7813	·7860		·7944	·8031*	·7868	·7737
21	·7541	·7965*	·7898	·7991*		·7848	·7849	·7883	·7922	·8031*	·7858	·7723
22		·7934	·7899		·7882	·7845	·7847	·7872	·7929		·7874	·7700
23	·7577	·7946*	·7925			·7849		·7913	·7944	·8002	·7874	·7723
24	·7608	·7955*	·7940	·7957	·7894	·7850	·7820	·7933		·7992	·7869	
25	·7659	·7938	·7949	·7962	·7900		·7803	·7898	·7785		·7863	
26	·7692	·7916*		·7943	·7930	·7839	·7874	·7847	·7817	·7963	·7869	·8030
27	·7730	·7880	·7987	·7922	·7912	·7855		·7823	·7799	·7966		·7972
28	·7737		·8001	·7929	·7915	·7845	·7852		·7785	·7953	·7850	·7922
29			·8012	·7937*		·7838	·7842	·8184*	·7768		·7851	·7868
30	·7780		·7985		·7901	·7792		·8088	·7738	·7931	·7848	·7828
31	·7795		·8017		·7904		·7893	·8059		·7930		

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XLIII.—*Showing, for each Month, the Mean Value of Vertical Intensity, corrected for Instrumental Errors; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Vertical Intensity corrected.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	2·7529	−0·0334	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter .. 2·7832
February.....	·7946	·0083	
March.....	·7897	·0034	
April	·7954	·0091	Mean of {April, May, June, / July, Aug., Sept.} or Summer.. 2·7895
May	·7917	·0054	
June	·7873	·0010	
July	·7822	·0041	Mean of the year ..... 2·7863
August.....	·7909	·0046	
September	·7895	·0032	Greatest monthly mean, in April ..... 2·7954
October	·7872	·0009	Least monthly mean, in January ..... 2·7529
November	·7859	·0004	
December.....	·7887	·0024	Difference..... 0·0425

TABLE XLIV.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	2·7491	2·7914	2·7863	2·7944	2·7897	2·7864	2·7807	2·7899	2·7878	2·7843	2·7824	2·7826
1	·7451	·7923	·7854	·7938	·7898	·7866	·7805	·7891	·7862	·7837	·7827	·7835
2	·7505	·7926	·7867	·7942	·7896	·7861	·7800	·7888	·7868	·7846	·7850	·7855
3	·7521	·7938	·7894	·7959	·7899	·7860	·7799	·7891	·7883	·7852	·7854	·7872
4	·7526	·7946	·7898	·7966	·7908	·7869	·7821	·7898	·7890	·7859	·7852	·7876
5	·7528	·7945	·7895	·7970	·7917	·7871	·7822	·7903	·7890	·7865	·7853	·7876
6	·7523	·7949	·7894	·7972	·7925	·7871	·7826	·7911	·7902	·7867	·7862	·7879
7	·7542	·7949	·7902	·7972	·7933	·7874	·7838	·7918	·7910	·7876	·7869	·7884
8	·7544	·7958	·7905	·7978	·7937	·7882	·7836	·7924	·7917	·7876	·7873	·7886
9	·7551	·7955	·7908	·7981	·7945	·7885	·7841	·7930	·7920	·7883	·7877	·7892
10	·7574	·7964	·7909	·7974	·7940	·7889	·7840	·7930	·7922	·7883	·7881	·7895
11	·7561	·7963	·7912	·7976	·7955	·7891	·7842	·7933	·7926	·7887	·7880	·7899
12	·7559	·7965	·7913	·7982	·7946	·7899	·7843	·7937	·7926	·7888	·7880	·7901
13	·7556	·7975	·7926	·7988	·7959	·7910	·7860	·7947	·7942	·7894	·7884	·7905
14	·7568	·7979	·7935	·8003	·7977	·7937	·7881	·7971	·7954	·7901	·7884	·7908
15	·7587	·7999	·7954	·8010	·7972	·7932	·7868	·7971	·7954	·7905	·7885	·7921
16	·7600	·7998	·7943	·7980	·7924	·7901	·7847	·7942	·7926	·7888	·7886	·7943
17	·7571	·7985	·7916	·7931	·7871	·7861	·7809	·7896	·7886	·7870	·7873	·7945
18	·7492	·7950	·7872	·7896	·7846	·7831	·7786	·7869	·7846	·7855	·7848	·7933
19	·7468	·7908	·4848	·7865	·7848	·7812	·7783	·7857	·7834	·7851	·7830	·7894
20	·7476	·7904	·7849	·7891	·7856	·7827	·7784	·7851	·7844	·7854	·7838	·7886
21	·7480	·7909	·7868	·7916	·7876	·7835	·7791	·7868	·7855	·7880	·7844	·7873
22	·7488	·7914	·7885	·7936	·7891	·7852	·7804	·7881	·7875	·7886	·7839	·7859
23	·7489	·7918	·7889	·7950	·7903	·7862	·7813	·7901	·7876	·7878	·7837	·7851

TABLE XLV.—*Showing, for the Year* 1859, *the Mean Values of Vertical Intensity, corrected for Instrumental Errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Vertical Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	2·7838	−0·0025
1	5 12 „	·7832	− ·0031
2	6 12 „	·7842	− ·0021
3	7 12 „	·7850	− ·0013
4	8 12 „	·7859	− ·0004
5	9 12 „	·7861	− ·0002
6	10 12 „	·7865	·0002
7	11 12 „	·7872	·0009
8	0 12 A.M.	·7876	·0013
9	1 12 „	·7881	·0018
10	2 12 „	·7883	·0020
11	3 12 „	·7885	·0022
12	4 12 „	·7887	·0024
13	5 12 „	·7896	·0033
14	6 12 „	·7909	·0046
15	7 12 „	·7913	·0050
16	8 12 „	·7898	·0035
17	9 12 „	·7868	·0005
18	10 12 „	·7835	− ·0028
19	11 12 „	·7816	− ·0047
20	0 12 P. M.	·7822	− ·0041
21	1 12 „	·7833	− ·0030
22	2 12 „	·7843	− .0020
23	3 12 „	·7847	− ·0016

FOR DAY AND NIGHT.

	En. Un.
Mean of { 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, } or Night..	2·7871
Mean of { 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, } or Day....	2·7855
Mean Annual	2·7863

TIME OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.		B.C.T.
A minimum at	1	or	5 P. M.
A maximum at	15	or	7 A. M.
A minimum at	19	or	11 „
A maximum at	23	or	3 P. M.

TABLE XLVI.—*Excess of the Mean Hourly Value of Vertical Intensity, corrected for Instrumental Errors, above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	−0·0038	−0·0032	−0·0034	−0·0010	−0·0020	−0·0009	−0·0015	−0·0010	−0·0017	−0·0029	−0·0035	−0·0061
1	− ·0078	− ·0023	− ·0043	− ·0016	− ·0019	− ·0007	− ·0017	− ·0018	− ·0033	− ·0035	− ·0032	− ·0052
2	− ·0024	− ·0020	− ·0030	− ·0012	− ·0021	− ·0012	− ·0022	− ·0021	− ·0027	− ·0026	− ·0009	− ·0032
3	− ·0008	− ·0008	− ·0003	·0005	− ·0018	− ·0013	− ·0023	− ·0018	− ·0012	− ·0020	− ·0005	− ·0015
4	− ·0003	·0000	·0001	·0012	− ·0009	− ·0004	− ·0001	− ·0011	− ·0005	− ·0013	− ·0007	− ·0011
5	·0001	− ·0001	− ·0002	·0016	·0000	− ·0002	·0000	− ·0006	− ·0005	− ·0007	− ·0006	− ·0011
6	·0006	·0003	− ·0003	·0018	·0008	− ·0002	·0004	·0002	·0007	− ·0005	·0003	− ·0008
7	·0013	·0003	·0005	·0018	·0016	·0001	·0016	·0009	·0015	·0002	·0010	− ·0003
8	·0015	·0012	·0008	·0024	·0020	·0009	·0014	·0015	·0022	·0004	·0014	− ·0001
9	·0022	·0009	·0011	·0027	·0028	·0012	·0019	·0021	·0025	·0011	·0018	·0005
10	·0045	·0018	·0012	·0020	·0023	·0019	·0018	·0021	·0027	·0011	·0022	·0008
11	·0032	·0014	·0015	·0022	·0038	·0021	·0020	·0024	·0031	·0015	·0021	·0012
12	·0030	·0019	·0016	·0028	·0029	·0029	·0021	·0028	·0031	·0016	·0021	·0014
13	·0027	·0029	·0029	·0034	·0042	·0040	·0038	·0038	·0047	·0022	·0025	·0018
14	·0039	·0033	·0038	·0049	·0060	·0067	·0059	·0062	·0069	·0029	·0025	·0021
15	·0058	·0053	·0057	·0056	·0055	·0062	·0056	·0062	·0059	·0033	·0026	·0034
16	·0071	·0052	·0046	·0026	·0007	·0028	·0025	·0033	·0031	·0016	·0027	·0056
17	·0042	·0039	·0019	− ·0023	− ·0046	− ·0002	− ·0013	− ·0013	− ·0009	− ·0002	·0014	·0058
18	− ·0037	·0004	− ·0025	− ·0058	− ·0071	− ·0042	− ·0036	− ·0040	− ·0049	− ·0017	− ·0011	·0046
19	− ·0061	− ·0038	− ·0049	− ·0089	− ·0069	− ·0061	− ·0039	− ·0052	− ·0061	− ·0021	− ·0029	·0007
20	− ·0053	− ·0042	− ·0048	− ·0063	− ·0061	− ·0046	− ·0038	− ·0058	− ·0051	− ·0018	− ·0021	− ·0001
21	− ·0049	− ·0037	− ·0029	− ·0038	− ·0041	− ·0038	− ·0031	− ·0041	− ·0040	− ·0008	− ·0015	− ·0014
22	− ·0041	− ·0032	− ·0012	− ·0028	− ·0026	− ·0021	− ·0018	− ·0028	− ·0020	− ·0014	− ·0020	− ·0030
23	− ·0040	− ·0028	− ·0008	− ·0004	− ·0014	− ·0011	− ·0009	− ·0008	− ·0019	− ·0006	− ·0022	− ·0036

TABLE XLVII.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Value of Vertical Intensity, corrected for Instrumental Errors, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Value of Vertical Intensity.				Mean Diurnal Range.	The Time at which the Mean Hourly Value of Vertical Intensity was at its			
	Evening Maximum.	Evening Minimum.	Morning Maximum.	Mid-day Minimum.		Evening Maximum.	Evening Minimum.	Morning Maximum.	Mid-day Minimum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.
January	2·7491	2·7451	2·7600	2·7468	0·0149	24	1	16	19
February	·7918	·7914	·7999	·7904	·0095	23	0	15	20
March	·7889	·7854	·7954	·7848	·0106	23	1	15	19
April	·7950	·7938	·8010	·7865	·0145	23	1	15	19
May	·7903	·7896	·7977	·7846	·0131	23	2	14	18
June	·7866	·7860	·7937	·7812	·0125	1	3	14	19
July	·7813	·7799	·7881	·7783	·0098	23	3	14	19
August	·7901	·7888	·7971	·7851	·0120	23	2	15	20
September	·7878	·7862	·7964	·7834	·0130	24	1	14	19
October	·7886	·7837	·7905	·7851	·0068	22	1	15	19
November	·7844	·7824	·7886	·7830	·0060	21	0	16	20
December			·7945	·7826	·0119			17	24

TABLE XLVIII.—*Daily Range of Vertical Force of the Earth as obtained from the Hourly Scale Readings of Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1		0·0121		0·0102	0·0145	0·0133	0.0140	0·0150	0·0317		0·0034	0·0127
2	0·0211	·0279	0·0096		·0175	·0171		·0134	·0147	0·0159	·0015	·0262
3	·0148	·0154	·0070	·0124	·0181	·0171	·0137	·0132		·0067	·0023	
4	·0212	·0143	·0155	·0121	·0176		·0084	·0120	·0178	·0101	·0042	·0121
5	·0187			·0127	·0160	·0112	·0064	·0141	·0159	·0143		·0171
6	·0200	·0125	·0088	·0124	·0163	·0109	·0083		·0138	·0146	·0155	·0146
7	·0129	·0169	·0159	·0180		·0141	·0117	·0170	·0209	·0140	·0114	·0117
8		·0222	·0120	·0141	·0178	·0160	·0121	·0145	·0158		·0113	·0292
9	·0150	·0157	·0159		·0138	·0238		·0168	·0150	·0161	·0092	·0104
10	·0114	·0121	·0117	·0152	·0134	·0135	·0126	·0166		·0088	·0135	
11	·0129	·0148	·0169	·0154	·0164		·0133	·0138	·0136	·0375	·0064	·0110
12	·0180			·0182	·0157	·0198	·0152		·0133	·0102		·0101
13	·0182	·0215	·0118	·0163	·0145	·0105	·0154		·0145	·0077	·0114	·0090
14	·0182	·0135	·0254	·0117		·0162	·0147	·0158	·0167	·0051	·0117	·0128
15		·0094	·0156	·0116	·0146	·0176	·0133	·0126	·0181		·0093	·0132
16	·0132	·0089	·0143		·0138	·0133		·0126	·0144	·0033	·0088	·0104
17	·0088	·0065	·0167	·0166	·0174	·0127	·0139	·0132		·0095	·0115	
18	·0140	·0102		·0183	·0130		·0082	·0161	·0151	·0048	·0086	·0086
19	·0148			·0197	·0216	·0123	·0135	·0193	·0131	·0055		·0156
20	·0148	·0154	·0178	·0146	·0194	·0132	·0097		·0151	·0038	·0097	·0101
21	·0092	·0143	·0146	·0192		·0158	·0118	·0103	·0132	·0042	·0095	·0108
22		·0127	·0135		·0153	·0137	·0133	·0146	·0132		·0089	·0099
23	·0167	·0137	·0125			·0093		·0099	·0158	·0038	·0104	·0252
24	·0165	·0083	·0113	·0128	·0112	·0159	·0133	·0128		·0051	·0091	
25	·0173	·0071	·0140	·0138	·0147		·0140	·0110	·0121		·0094	
26	·0185	·0110		·0100	·0132	·0123	·0117	·0154	·0133	·0042	·0121	·0102
27	·0200	·0078	·0128	·0144	·0104	·0129		·0161	·0128	·0048		·0086
28	·0122		·0135	·0091	·0120	·0156	·0124		·0111	·0033	·0078	·0082
29			·0148	·0101		·0130	·0142	·0223	·0142		·0096	·0104
30	·0121		·0137		·0111	·0178		·0162	·0147	·0034	·0068	·0107
31	·0108		·0118		·0105		·0143	·0179		·0039		

TABLE XLIX.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Value of Vertical Intensity, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1859.	The Hourly Value of Vertical Intensity corrected.		Mean Diurnal Range.	The Time at which the Hourly Value of Vertical Intensity was	
	Greatest.	Least.		Greatest.	Least.
	En. Un.	En. Un.	En. Un.	D. H.	D. H.
January	2·7825	2·7161	0·0664	27 16	2 Noon.
February.....	·8156	·7736	·0420	13 16	4 20
March	·8074	·7682	·0392	29 15	11 20
April	·8098	·7797	·0301	21 9	12 19
May.....	·8057	·7743	·0314	3 15	20 18
June.....	·8083	·7677	·0406	9 14	30 18
July.....	·7950	·7708	·0242	31 14	1 19
August.....	·8273	·7796	·0477	29 3	7 1
September	·8186	·7825	·0361	4 3	1 19
October	·8099	·7691	·0498	17 22	5 20
November	·7942	·7676	·0266	4 9	7 19
December.....	·8081	·7832	·0249	26 16	1 Noon.

TABLE L.—*Mean Temperature of Air confined in the Box of the Vertical Force, for each Day of Göttingen Mean Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		78°2		86°5	87°6	89°9	87°8	81°9	83°0		83°5	77°6
2	77°9	78·1	79°7		88·0	87·9		81·9	83·0	84°2	83·1	77·3
3	76·3	79·1	78·1	86·9	87·8	88·0	88·0	82·6		85·6	83·2	
4	73·4	81·0	78·3	86·9	87·4		87·6	82·6	80·7	85·8	83·3	77·0
5	73·7			87·4	86·7	85·8	87·7	82·9	81·2	85·8		77·8
6	76·6	80·4	79·4	86·7	86·1	84·2	88·4		81·0	85·4	83·9	76·7
7	78·5	77·4	79·3	86·7		82·0	88·6	83·8	80·7	84·3	84·2	76·7
8		77·1	79·3	86·9	87·0	83·0	88·5	84·1	81·1		84·6	78·3
9	78·7	76·6	79·8		87·2	84·9		84·5	80·9	83·9	84·3	79·0
10	78·4	76·6	80·5	87·1	87·0	84·8	87·8	84·2		83·7	84·6	
11	78·3	77·0	80·8	86·7	87·0		86·6	84·3	81·2	83·3	85·2	78·4
12	77·7			87·1	87·0	82·6	87·6		81·8	83·2		79·1
13	77·0	77·4	78·6	87·7	86·6	84·3	86·8		82·3	82·1	84·6	78·3
14	77·1	80·6	79·6	87·6		85·6	87·4	84·1	82·8	82·5	84·0	77·9
15		82·1	80·9	86·5	86·8	86·3	87·0	84·5	83·1		83·1	77·6
16	77·8	82·3	82·0		87·0	86·4		84·0	83·4	82·5	83·6	78·5
17	78·4	81·2	80·8	85·9	87·2	86·6	82·4	84·7		81·2	84·8	
18	77·7	80·2		86·1	87·2		81·3	84·3	82·6	81·2	84·9	78·6
19	77·0			86·1	87·5	86·5	80·5	85·1	82·7	81·4		76·8
20	78·2	79·8	82·5	85·7	88·3	86·6	82·6		82·9	81·9	84·3	76·4
21	80·4	78·8	84·0	86·1		87·1	81·5	82·6	82·8	82·3	84·8	77·2
22		78·3	83·5		88·2	87·1	81·5	82·1	82·0		84·5	78·1
23	79·9	76·8	82·8			87·0		80·5	83·9	83·8	84·4	78·9
24	79·1	77·8	83·1	87·0	88·7	86·5	82·6	79·7		83·5	84·1	
25	76·8	79·8	84·3	87·9	88·4		82·3	79·1	85·4		84·3	
26	76·2	81·2		88·1	88·4	87·0	81·7	79·8	82·8	84·0	84·2	78·4
27	75·8	80·9	84·9	89·1	89·1	86·5		80·5	83·7	83·2		78·4
28	76·5		84·3	88·7	89·6	86·8	82·4		84·1	82·9	82·9	77·9
29			83·7	88·7		87·6	82·1	80·4	84·1		81·4	77·3
30	75·8		84·7		90·1	87·9		82·2	85·5	83·2	81·0	76·2
31	77·4		86·5		90·4		82·2	82·5		83·7		

TABLE LI.—*Showing, for each Month, the Mean Temperature of Air within the Box of the Vertical Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Vertical Force Magnetometer.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°3	− 5°6	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter .. 80°6
February.....	79·2	− 3·7	
March.....	81·7	− 1·2	
April	87·1	4·2	Mean of {April, May, June, / July, Aug., Sept.} or Summer .. 85·3
May.....	87·8	4·9	
June.....	86·2	3·3	
July.....	85·0	2·1	Mean of the year..... 82·9
August.....	82·7	− 0·2	
September	82·8	− 0·1	Greatest monthly mean, in May ..... 87·8
October	83·8	0·9	Least monthly mean, in January..... 77·3
November	83·8	0·9	
December.....	77·6	− 5·3	Difference ..... 10·5

TABLE LII.—*Mean Temperature of Air within the Box of Vertical Force Magnetometer, in each Month, for each Hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	80°0	81°9	84°2	89°6	90°1	87°9	86°6	84°0	84°6	86°4	86°8	80°6
1	79·3	81·5	83·6	89·5	90·0	87·7	86·3	84·0	84·2	86·0	86·0	80·3
2	78·8	80·8	83·1	88·9	89·5	87·4	86·1	83·6	83·8	85·2	85·2	79·6
3	78·3	80·2	82·5	88·1	88·8	87·0	85·7	83·2	83·4	84·7	84·7	79·1
4	78·0	79·9	82·2	87·5	88·2	86·7	85·4	83·0	83·0	84·3	84·4	78·7
5	77·7	79·7	81·9	87·2	87·7	86·4	85·2	82·8	82·8	84·0	84·0	78·2
6	77·4	79·4	81·7	86·9	87·5	86·1	85·0	82·6	82·6	83·7	83·7	77·7
7	77·1	79·1	81·4	86·6	87·3	85·9	84·8	82·5	82·4	83·5	83·4	77·4
8	76·8	78·8	81·1	76·4	87·1	85·6	84·7	82·4	82·3	83·3	83·1	77·0
9	76·6	78·5	80·9	86·2	86·9	85·5	84·5	82·2	82·1	83·0	82·9	76·6
10	76·3	78·2	80 6	85·9	86·8	85·4	84·3	82·1	82·0	82·8	82·8	76·3
11	76·0	77·9	80·4	85·7	86·6	85 3	84·2	82·0	81·9	82·5	82·6	76·0
12	75·8	77·7	80·2	85·5	86·5	85·1	84·1	81·9	81·8	82·4	82·4	75·8
13	75·6	77·4	79·9	85·3	86·2	85·0	84·0	81·8	81·7	82·1	82·1	75·5
14	75·2	77·1	79·7	85·1	86·1	84·8	83·8	81·8	81·6	82·0	81·8	75·3
15	74·8	76·8	79·5	85·0	86·1	84·9	83·8	81·7	81·5	81·9	81·7	75·0
16	74·9	76·9	79·7	85·3	86·5	85·2	84·0	81·9	81·6	82·1	81·9	75·1
17	75·4	77·4	80·2	85 9	87·1	85·5	84·4	82·1	82·1	82·5	82·3	75·6
18	76·3	78·2	81·0	86·6	87·6	86·1	84·8	82·5	82·6	83·3	83·1	76·4
19	77·2	79·2	81·9	87·3	88·1	86·5	85·0	82·9	83·2	84·0	83·9	77·5
20	78·2	80·1	82·5	87·8	88·6	87·0	85·3	83·3	83·7	84·6	84·9	78·5
21	79·0	80·9	83·4	88·4	89·1	87·4	85·7	83·6	84·1	85·1	85·7	79·1
22	79·7	81·6	83·9	89·0	89·5	87·6	86·1	83·9	84·5	85·8	86·2	79·8
23	80·2	81·9	84·3	89·2	89·8	87·9	86·1	84·0	84·8	86·0	86·6	80·3

TABLE LIII.—*Showing, for the Year* 1859, *the Mean Temperature of Air within the Box of the Vertical Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air within the Box of Vertical Force.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P. M.	85°2	2°3	
1	5 12 „	84·9	2·0	
2	6 12 „	84·3	1·4	
3	7 12 „	83·8	0·9	
4	8 12 „	83·4	0·5	
5	9 12 „	83·1	0·2	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night.... 82°6
6	10 12 „	82·9	0·0	
7	11 12 „	82·6	− 0·3	
8	0 12 A. M.	82·4	− 0·5	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day .... 83·2
9	1 12 „	82·1	− 0·8	
10	2 12 „	81·9	− 1·0	Mean ..... 82·9
11	3 12 „	81·7	− 1·2	
12	4 12 „	81·6	− 1·3	
13	5 12 „	81·4	− 1·5	
14	6 12 „	81·2	− 1·7	TIMES OF MEAN MAXIMUM AND MINIMUM.
15	7 12 „	81·1	− 1·8	
16	8 12 „	81·3	− 1·6	G.M.T. B.C.T.
17	9 12 „	81·7	− 0·2	A minimum at 15 or 7 A. M.
18	10 12 „	82·4	− 0·5	A maximum at Noon or 4 P. M.
19	11 12 „	83·1	0·2	
20	0 12 P. M.	83·7	0·8	
21	1 12 „	84·3	1·4	
22	2 12 „	84·8	1·9	
23	3 12 „	85·1	2·2	

TABLE LIV.—*Excess of the Mean Hourly Temperature of Air within the Box of the Vertical Force Magnetometer, above the Monthly Mean Time.*

Göttingen Mean Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	2°7	2°7	2°5	2°5	2°3	1°7	1°6	1°3	1°7	2°6	2°9	3°1
1	2·0	2·3	2·0	2·4	2·2	1·5	1·3	1·3	1·4	2·2	2·2	2·8
2	1·5	1·6	1·4	1·9	1·7	1·1	1·0	0·9	1·0	1·4	1·4	2·1
3	1·0	1·0	0·9	1·0	1·0	0·7	0·7	0·5	0·5	0·9	0·9	1·5
4	0·7	0·7	0·5	0·5	0·4	0·4	0·4	0·3	0·2	0·5	0·5	1·1
5	0·4	0·5	0·3	0·1	0·1	0·1	0·2	0·1	0·0	0·2	0·2	0·6
6	0·1	0·2	0·0	− 0·2	− 0·3	− 0·1	0·0	− 0·1	− 0·2	− 0·1	− 0·1	0·2
7	− 0·2	− 0·1	− 0·3	− 0·4	− 0·5	− 0·3	− 0·2	− 0·2	− 0·4	− 0·3	− 0·4	− 0·2
8	− 0·5	− 0·4	− 0·5	− 0·7	− 0·6	− 0·6	− 0·3	− 0·4	− 0·5	− 0·7	− 0·7	− 0·6
9	− 0·7	− 0·7	− 0·8	− 0·9	− 0·9	− 0·7	− 0·5	− 0·5	− 0·7	− 0·8	− 0·9	− 0·9
10	− 1·0	− 1·0	− 1·1	− 1·1	− 1·0	− 0·9	− 0·7	− 0·6	− 0·8	− 1·0	− 1·1	− 1·3
11	− 1·3	− 1·3	− 1·3	− 1·4	− 1·2	− 1·0	− 0·8	− 0·7	− 1·0	− 1·4	− 1·3	− 1·6
12	− 1·5	− 1·5	− 1·5	− 1·6	− 1·3	− 1·1	− 0·9	− 0·9	− 1·1	− 1·4	− 1·5	− 1·8
13	− 1·7	− 1·9	− 1·7	− 1·8	− 1·5	− 1·2	− 1·0	− 0·9	− 1·2	− 1·7	− 1·8	− 2·1
14	− 2·1	− 2·1	− 1·9	− 2·0	− 1·7	− 1·4	− 1·2	− 1·0	− 1·3	− 1·8	− 2·0	− 2·3
15	− 2·5	− 2·4	− 2·2	− 2·0	− 1·7	− 1·4	− 1·2	− 1·0	− 1·4	− 1·9	− 2·1	− 2·6
16	− 2·4	− 2·3	− 1·9	− 1·7	− 1·3	− 1·1	− 1·0	− 0·8	− 1·2	− 1·7	− 2·0	− 2·5
17	− 1·9	− 1·8	− 1·5	− 1·1	− 0·7	− 0·7	− 0·6	− 0·6	− 0·7	− 1·3	− 1·5	− 1·9
18	− 1·0	− 1·0	− 0·7	− 0·4	− 0·2	− 0·2	− 0·2	− 0·3	− 0·2	− 0·5	− 0·8	− 1·1
19	− 0·1	− 1·0	0·2	0·3	0·3	0·3	0·0	0·2	0·3	0·2	0·0	0·0
20	0·9	0·8	0·9	0·8	0·8	0·7	0·3	0·5	0·8	0·7	1·1	0·9
21	1·8	1·7	1·7	1·3	1·3	1·1	0·7	0·8	1·2	1·3	1·9	1·6
22	2·4	2·4	2·3	1·9	1·7	1·4	1·1	1·2	1·7	2·0	2·4	2·3
23	2·9	2·8	2·7	2·2	2·1	1·6	1·1	1·3	1·9	2·2	2·8	2·7

TABLE LV.—*Showing, for the Year* 1859, *the Hours of Göttingen Mean Time, at which the Mean Temperature of Air within the Box of Vertical Force Magnetometer, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Vertical Force Magnetometer.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Vertical Force Megnetometer was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°2	74°8	5°4	23	15
February.....	81·9	76.8	5·1	23	15
March.....	84·3	79·5	4·8	23	15
April	89·6	85·0	4·6	Noon.	15
May.....	90·1	86·1	4·0	,,	14
June	87·9	84·8	3·1	,,	14
July.....	86·6	83·8	2·8	,,	14
August.....	84·0	81·7	2·3	23	15
September	84·8	81·5	3·3	23	15
October	86·4	81·9	4·5	Noon..	15
November	86·8	81·7	5·1	,,	15
December	80·6	85·0	5·6	,,	15

TOTAL FORCE OF THE EARTH.

TABLE LVI.—*Showing, for each Month, the Mean Value of Total Intensity; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·490	-0·031	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	8·500
February.....	·497	- ·024		
March.....	·492	- ·029		
April	·499	- ·022	Mean of { April, May, June, / July, Aug., Sept. } or Summer..	8·542
May	·509	- ·012		
June	·534	·013		
July	·568	·047	Mean of the year	8·521
August.....	·587	·066		
September	·557	·036	Greatest monthly mean, in August	8·587
October	·518	- ·003	Least monthly mean, in January	8·490
November	·494	- ·027		
December.....	·507	- ·014	Difference.....	0·097

TABLE LVII.—*Showing, for the Year* 1859, *the Mean Value of Total Intensity, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4 12 P. M.	8·520	0·000	
1	5 12 „	·517	– ·003	
2	6 12 „	·515	– ·005	
3	7 12 „	·514	– ·006	
4	8 12 „	·513	– ·007	En. Un.
5	9 12 „	·513	– ·007	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night .... 8·514
6	10 12 „	·513	– ·007	
7	11 12 „	·514	– ·006	
8	0 12 A. M.	·514	– ·006	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day ..... 8·526
9	1 12 „	·515	– ·005	
10	2 12 „	·515	– ·005	Mean ..... 8·520
11	3 12 „	·515	– ·005	
12	4 12 „	·515	– ·005	
13	5 12 „	·517	– ·003	
14	6 12 „	·518	– ·002	
15	7 12 „	·519	– ·001	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 „	·524	·004	
17	9 12 „	·528	·008	G. M. T. B. C. T.
18	10 12 „	·533	·013	A minimum at 4 or 8 P. M.
19	11 12 „	·534	·014	A maximum at 19 or 11 A. M.
20	0 12 P. M.	·533	·013	
21	1 12 „	·531	·011	
22	2 12 „	·526	·006	
23	3 12 „	·523	·003	

TABLE LVIII.—*Showing, for each Month, the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·580	0·063	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter .. 8·539
February.....	·551	·034	
March	·500	– ·017	
April	·423	– ·094	Mean of {April, May, June, / July, Aug., Sept.} or Summer .. 8·495
May	·421	– ·096	
June.....	·464	– ·053	Mean of the year ..... 8·517
July	·526	·009	
August.....	·580	·063	
September	·555	·038	Greatest monthly mean, in December ..... 8·607
October	·506	– ·011	Least monthly mean, in May..... 8·421
November	·487	– ·030	
December.....	·607	·090	Difference..... 0·186

TABLE LIX.—*Showing, for the Year* 1859, *the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·442	−0·074
1	5 12 „	·468	− ·048
2	6 12 „	·498	− ·018
3	7 12 „	·516	·000
4	8 12 „	·523	·007
5	9 12 „	·532	·016
6	10 12 „	·542	·026
7	11 12 „	·550	·034
8	0 12 A. M.	·556	·040
9	1 12 „	·563	·047
10	2 12 „	·568	·052
11	3 12 „	·569	·053
12	4 12 „	·576	·060
13	5 12 „	·583	·067
14	6 12 „	·588	·072
15	7 12 „	·568	·052
16	8 12 „	·536	·020
17	9 12 „	·508	− ·008
18	10 12 „	·487	− ·029
19	11 12 „	·466	− ·050
20	0 12 P. M.	·446	− ·070
21	1 12 „	·436	− ·080
22	2 12 „	·429	− ·087
23	3 12 „	·431	− ·085

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	8·548
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	8·484
Annual Mean	8·516

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A maximum at	14	or 6 A. M.
A minimum at	22	or 2 P. M.

Mean Annual Values of Magnetic Elements as obtained from the Observations of the last thirteen years (1847–59) inclusive, is as follows :—

	Annual Value.	Mean Annual increase of Force.
Declination in Arc	17·488	+ 0·610
Horizontal Force, corrected for all errors	7·9909	+ 0·008
Vertical Force, corrected for all errors	2·7436	+ 0·013
Dip, corrected for all errors.....	18·56·9	+ 0·5
Total Force (deduced).....	8·449	+ 0·011

SUMMARY OF MAGNETIC RESULTS FOR 1859.

THE following lines on the Summary of Results will show at a glance the general characteristics of all the magnetic elements during the year 1859:—

DECLINATION.

Mean daily Values of Declination have dwindled between 23′·4 and 20′·0. The difference between the mean daily values of two consecutive days has seldom exceeded 2′·0, but has generally remained between 0′·1 and 0′·5.

The declination in simple hourly observations was not above 29′·0, except on the first of September, or below 13′·7.

The Mean Annual Declination was 21·425, being about 3′·931 higher than the Mean Declination of the last thirteen years.

Daily Range of Declination have seldom exceeded 10′·0 of arc, but has generally remained between 1′·0 and 6′·0.

The times of maxima and minima occurred generally at about + noon – 2h. + 9h. – 12h. + 16h. – 20h. Göttingen time, in which + denotes maximum and – minimum.

The combination of observations taken at noon and 1h., 6h., and 17h., will give results near enough to the mean values for any day.

Declination Magnet has gone four times on each side of its mean position in Winter, but only twice in Summer; and in the months of March and October six meridian passages were sometimes observed in the diurnal run of the Declinometer.

The Fall in Declination was generally observed from noon to 3h.; a rise between 3h. and 8h.; a fall between 8h. and 14h.; a rise between 14h. and 16h.; a fall between 16h. and 20h.; and afterwards a slow rise.

HORIZONTAL FORCE.

The mean daily Values of Horizontal Intensity corrected for instrumental and other incidental errors, did not exceed 8·12 English Units, nor were they less than 7·98 English Units. The difference between the mean daily values of two consecutive days seldom exceeded 0·05 English Units, but was generally less than 0·006 English Units.

During the year 1859 the extreme values of Horizontal Force, in simple hourly observations, were 8·1401 and 7·9516 English Units.

Mean Annual Intensity was 8·0491 English Units, being about 0·0582 English Units higher than the mean of the last thirteen years.

Daily range of Horizontal Force had seldom exceeded 0·06 English Units, but generally remained between 0·12 and 0·28 English Units. The mean monthly range was always greater than 0·02 English Units.

The times of maxima and minima were – noon + 1h. – 4h. + 14h. – 15h. + 16h. + 18h. + 19h. Göttingen time, in which + denotes the maximum, and – the minimum.

The combinations of observations taken at noon and 15h. would give results near enough to the true mean of any day.

It was observed that the Horizontal Force Magnet generally had passed its mean magnetic position twice in a day, but in certain instances it had taken more than two meridian passages.

Absolute Values of Horizontal Intensity fell from noon to 5h., rose from 5h. to 19h., and afterwards fell again till the close of the day.

VERTICAL FORCE.

Mean daily values of Vertical Force were not greater than 2·81 English Units, nor were less than 2·72 English Units, the difference between the mean daily values of two consecutive days did not exceed 0·030 English Units, and was generally less than 0·006 English Units.

It appears, from the simple hourly observations, that the Vertical Intensity had ranged during this year between 2·83 and 2·71 English Units.

Mean Annual Intensity was 2·7863, being about 0·0425 English Units higher than the mean of the last thirteen years.

Daily range of Vertical Intensity seldom exceeded 0·030 English Units, and in most instances it was less than 0·015 English Units.

Time of maxima and minima were – 1h. + 15h. – 19h. + 23h. Göttingen time, in which + denotes maximum, and – minimum.

The Vertical Force Magnet had generally passed twice daily on each side of its mean position, the hours being 5h. and 17h.

In Winter the Scale Readings of Vertical Force were observed generally to increase from 2h. to 14h., decrease from 15h. to 19h., increase from 20h. to 23h., and decrease from noon to 2h.; but in Summer the movements of the Vertical Force were quite irregular: this is owing most probably to the damp air then prevalent, which effects the free action of the Vertical Force Magnet.

INCLINATION OR DIP.

Mean daily values of Calculated Dip were not greater than 19°21′ nor were less than 18°43′. The difference between the mean daily values of two consecutive days seldom exceeded 12′0 and was generally less than 5′0.

It appears, from the simple hourly observations of this year that the deduced Dip has ranged between 19°54′ and 18°00.

The Mean Annual Dip was 19°07′8, which was about 6′7 higher than the mean Dip of the last thirteen years.

The daily range of deduced Dip has seldom exceeded 20′0, and was in most cases less than 8′0.

The times of maxima and minima were + 14h. – 19h. Göttingen time, in which + denotes maximum and – minimum. Combination of Observations of Dip taken at 4h. and 17h. would give approximate result equal to the mean value of dip of any day.

In the diurnal variations of deduced Dip in Summer, a rise in value was generally observed from 1h. to 16h.; a fall between 16h. and 20h., and afterwards a rise. In Winter a fall was observed in the values of Dip between 16h. and 20h., and in the remaining hours of the day a general rise.

TOTAL INTENSITY.

Two maxima and two minima were apparent in the diurnal fluctuations of Total Force. If the mean total force of any day is to be ascertained from two observations of Magnetometers taken daily, the time considered best for doing so is the combination of Observations taken at 2h. and 14h. Göttingen time.

The mean annual total force was 8·517 English Units, which was about 0·069 English Units higher than the mean force obtained from the Observations of the last thirteen years.

(Deduced Facts.)

The following remarks have been abstracted from the mean values of Magnetic Elements given in the preceding pages.

I. The times of mid-day maximum of Horizontal Force and mid-day minimum of Declination had remained pretty nearly constant.

II. The Changes of magnetic elements were more perceptible during the day time than at night.

III. All the elements were slightly increasing, though irregularly from year to year, a fact deduced from the Observations of the last thirteen years.

It would be seen from the following table that the Diurnal Ranges of all the magnetic elements were not of equal nature, those of the Declinometer Vertical Force and Dip were larger in Summer and smaller in Winter, but with Horizontal Force the case was quite contrary. Mean Values of Horizontal Force, Vertical Force, and Dip were larger in Summer than in Winter, but with Declinometer and Total Force the case was quite contrary. Mean Values were higher at night than during the day, but with Horizontal Force the case was quite contrary.

TABLE LX.—*Showing the Changes of the Magnetic Elements, during the Year* 1859, *deduced from the separate Results of each Element in the preceding pages.*

Names of Magnetic Elements.	Diurnal Ranges.			Periodical Changes.			Difference of Absolute Values between Day and Night		
	Summer.	Winter.	Mean Range.	Mean Value in Summer.	Mean Value in Winter.	Annual Mean.	Mean Value for Day.	Mean Value for Night.	Difference.
Declination ..... (in arc)	0·5·820	0·2·565	0·4·192	0·21·228	0·21·621	0·21·425	0·21·405	0·21·445	0·0·040
Horizontal Force .... En. Units	0·0176	0·0189	0·0182	8·0645	8·0336	8·0491	8·0514	8·0466	0·0048
Vertical Force ..... En. Units	0·0125	0·0100	0·0112	2·7895	2·7832	2·7863	2·7855	2·7871	0·0016
Dip (deduced) ..... (in arc)	0·07·2	0·05·7	0.06·5	19·09·2	19·06·5	19·07·8	19·06·6	19·08·9	0·02·9
Total Force..... En. Units	*	*	*	8·495	8·539	8·517	8·484	8·548	0·064

In the following figures + denotes the time of rise or maximum, and – the fall or minimum.

	H.	H.	H	H.	H.	H.	H.	H.
Declination	+ Noon	–2	+9	–12	*	*	+16	–20
Horizontal Force ..	– Noon	+1	–4	+14	–15	+16	–18	+19
Vertical Force	–P	*	*	*	*	+15	–19	+23
Dip (deduced)	*	*	*	+14	*	*	–19	*
Total Force	*	*	*	+14	*	*	–22	*

Declinometer and Horizontal Force had three meridian passages, Vertical Force had two; and the Dip and Total Force had but one passage across the mean position of each Element.

MAGNETIC DISTURBANCES IN 1859.

The great regularity of the Magnetic Observations at Bombay renders it necessary to devote a separate description to those days on which Magnetic Disturbances took place. By a Disturbance is meant large convolutions which take place in any one of the Magnetic Elements; as small causes are always in operation, and the movements of instruments more or less fluctuating, slight changes are not taken into consideration. It is true that the Mean of many Obervations will obliterate their effect—how far that can be done is not easily determined. But since, as near as possible, an approximation must be made to the true form of the daily Curves of each Element, for the purpose of determining the effect of Disturbances, the following method has been adopted:—

During any month, the days on which the Magnetometers ranged widely from their usual daily range were struck out; and the mean daily curve thus found out for each month, was considered as a *Normal Curve*: the rejected days were considered as *Abnormal Days*.

The *Normal Curve* was supposed to be free from all Disturbances, as the Disturbance or *Abnormal Days* were not taken into account; and the minor disturbances were supposed to cancel the effects of one another in monthly mean.

In the following pages, the *Abnormal*, or the larger Disturbances, are only considered: the minor ones which were very difficult to arrange, and being supposed to have been produced by the same causes as the larger ones, were not used in the Disturbance calculations.

During the year 1859 the number of days considered as *Abnormal* were twenty seven, and they were used to resolve the effects of Disturbances.

When a Disturbance occured, it was at first detected by the rapid decrease in the scale readings of the Horizontal Force Magnetometers. On the Declinometers the effect of a Disturbance was generally to increase the scale readings in arc easterly. On the Vertical Force, the Disturbances had a curious effect, as during some of the Disturbances the magnet continued moving upwards and downwards, and its curve very much resembled that of the Declinometer; yet, notwithstanding this, the mean position of any day was not much affected.

The Effect of a Disturbance on the several Magnetometers was as follows:—

THE DECLINATION becomes more easterly.
THE DIP increased.
THE HORIZONTAL FORCE decreased.
THE VERTICAL FORCE slightly changed.
THE TOTAL INTENSITY decreased.

TABLE LXII.—*Showing the Maximum Effect of some of the Largest Disturbances on the Declinometer and Horizontal Force Magnetometer.*

Month and Date 1859.	Day Time.	Horizontal Force.		Horizontal Intensity.	Normal Value.	Effect of the Disturbance.	Declination in Arc.	Time.	Normal Value.	Effect of the Disturbance.
		Scale Readings.	Thermometer.							
	H. M.			En. Un.	En. Un.			H. M.		
January 10	4 00	17·57	79·0	7·9956	8·0300	− ·0344	22′101	4 00	20′600	+ 1′501
February 24	0 30	17·22	79·5	·9806	·0234	− ·0428	23·540	6 00	20·925	+ 2·615
,, ... 27	4 15	17·10	81·2	·9834	·0232	− ·0398	22·168	4 30	20·945	+ 1·223
April 21	12 30	19·95	84·0	8·0374	·0285	+ ·0089	26·355	16 15	20·920	+ 5·435
,, ... 29	4 15	14·79	88·8	7·9680	·0320	− ·0640	24·159	14 00	21·023	+ 3·136
May..... 19	5 45	15·85	86·0	·9807	·0407	− ·0600	23·540	6 45	21·224	+ 2·316
June..... 8	19 30	19·00	84·8	8·0205	·0564	− ·0359	25·189	16 30	21·217	+ 3·972
July..... .. 11	5 30	15·82	85·0	·0350	·0914	− ·0564	27·041	14 30	21·306	+ 5·735
August..... 29	Noon.	12·56	79·0	7·9841	·0931	− ·1090	26·944	3 30	21·362	+ 5·582
September .. 1	19 00	− 3·20	84·1	·7404	·0905	− ·3501	56·131	18 30	21·382	+34·749
,, .. 5	5 45	16·27	82·0	8·0505	·0942	− ·0437	25·875	15 00	21·421	+ 4·454
October 12	6 15	7·18	82·0	7·8512	·0524	− ·2012	32·667	6 15	21·938	+10·729
,, ... 18	1 15	14·46	81·8	·9602	·0467	− ·0865	25·532	0 15	22·017	+ 3·515
,, ... 21	3 00	14·96	82·2	·9652	·0445	− ·0793	25·600	2 15	22·052	+ 3·548
November .. 13	2 30	16·26	84·4	·9769	·0278	− ·0509	24·776	7 45	22·308	+ ·2·468
December.... 13	2 30	13·58	79·9	·9191	·0262	− ·1071	28·687	7 45	22·807	+ 5·880

It appears from this table that the effect of a disturbance was always to increase the Declination, and to lessen the Horizontal Force. The time of greatest effect is not the same in both instruments, therefore it remains unsettled whether we are to take the time from Horizontal Force or from the Declinometer.

In the Vertical Force Magnetometer the effect of Disturbance is very slight; comparisons of this Instrument cannot therefore be made, as no reading can be called as specially under the greatest influence of Disturbance.

These Observations lead to the following conclusions:—

1. The Disturbing Force is exerted nearly in a Horizontal line; for in any other case it would have disturbed the Vertical Force Magnetometer.

2. The Magnetic Disturbances proceed from nearly one direction.

Description of the principal Magnetic Disturbances, and the corresponding State of Weather about the occurrence of the same.

9th February 1859.—The Horizontal Force was about one division lower than usual on the 9th and 10th; and the Declinometer 3′ less at 14h. than the Normal Mean for that hour. Vertical Force a little higher.

21st to 23rd February 1859.—Horizontal Force Magnetometer and the Declinometer were quite unsteady in their movements, and their Mean Values were about one scale division lower than the Normal Mean for that period.

26th February 1859.—The Declinometer was a little higher than usual. Vertical Force unsteady in its movements. Horizontal Force fell from 20·5 scale divisions to 14·80 in about 10h., showing that the decrease of Horizontal Force was about 0·008 English Units per hour.

21st April 1859.—Horizontal Force fell about six divisions in twelve hours, the decrease being about 0·008 English Units per hour; the movement of the Declinometer was unusual.

29th April 1859.—Horizontal Force Magnetometer fell about four scale divisions, but this fall was not accompanied with any unusual change in the Vertical Force or Declinometer.

19th May 1859.—A fall of about four scale divisions was observed in the range of Horizontal Force Magnetometer, but accompanied with a slight change in the movements of Declinometer. The Curve of Vertical Force was not disturbed, but its range was a little higher than usual.

8th June, 11th July, and 17th July.—On these days the Magnetometers were but slightly affected, though their Curve on the 8th June was perfectly disturbed. The fall in the Horizontal Force was about three scale divisions in each instance.

Magnetic Disturbance from 29th August to 1st September 1859.

Barometer was low on the 26th August, but was rising afterwards till 8th September. No apparent change was observed in the pressure of Moisture. It may be inferred from this that the variation in the state of pressure of Moisture in the Atmosphere has very little to do with the weight of the whole mass or mixtures of gases. The Maximum Temperature of Air did not rise above 77°. The sky remained partially clouded with loose masses of clouds.

On the 26th instant, the mean position of the Large Horizontal Force was about one scale division higher than on the preceding day; on the 27th Horizontal Force was disturbed, and the Declinometer a little higher than the preceding day. The following numbers will show the movements of Horizontal Force and Declinometer during this Disturbance:—

29th August.—Horizontal Force rose from 0h. to 4h. Declination fell from 0h. to 7h.
„ „ fell from 4h. to 5h. „ slightly rose from 7h. to 12h.
„ „ rose from 5h. to 21h. „ rapidly rose from 12h. to 15h.

1st September 1859.—The movements of both the Declinometer and the Horizontal Force were disturbed from 1st to 6th inclusive, but not to such a degree as they were on the 1st instant after 18h. 30m. Göttingen time. The energy of the Disturbance was very great then, and the readings of Large Horizontal Force were shifted beyond the usual range adopted for the same. Horizontal Force was about 3·20 at 18h. 45m., and the Declinometer was 56·131 (in arc). The scale readings of Vertical Force were very low at 19h. 20m., being about 54 scale divisions, but afterwards dwindled between 59 and 61 scale divisions. This Disturbance is supposed to be the effect of a strong Aurora Borealis in the Northern regions then playing there, and disturbing the Magnetic Force and direction of the Magnetical Pole.

	Horizontal Force.						Declination.					
	h. m.		h. m.		Scale Divisions.		h. m.		h. m.		In Arc.	
1st Sept.—From	18 00	to	18 35	fell	17·52	to 3·20	From 18 00	to	19 05	rose	26·0	to 56·1
„	18 35	to	19 25	rose	3·20	to 13·55	„ 19 05	to	19 20	fell	56·1	to 35·5
„	19 25	to	19 40	fell	13·55	to 12·10	„ 19 20	to	19 25	rose	35·5	to 37·9
„	19 40	to	20 00	rose	12·10	to 16·54	„ 19 25	to	19 40	fell	37·9	to 27·7
„	20 00	to	20 30	rose	16·54	to 17·50	„ 19 40	to	19 50	rose	27·7	to 32·7
„	20 30	to	20 45	fell	17·50	to 14·40	„ 19 50	to	20 30	fell	32·7	to 8·3
„	20 45	to	20 55	rose	14·40	to 16·85	„ 20 30	to	20 35	rose	8·3	to 23·1
„	20 55	to	21 00	fell	16·85	to 12·80	„ 20 35	to	20 45	fell	23·1	to 18·7
„	21 20	to	21·30	rose	12·80	to 14·05	„ 20 45	to	20 50	rose	18·7	to 21·0
„	21 30	to	23 00	nearly stationary.			„ 20 50	to	21 00	a little rise.		
„	23 00	to	23 45	gradual rise.			„ 21 00	to	22 00	gradual fall.		
„	23 45	to	24 00	slight fall.			„ 22 00	to	24 00	gradual rise.		

2nd to 6th September 1859.—During this period the movements of the Magnetometers were quite unusual. Horizontal Force took large sweeps, often shifting here and there on each side of its mean position. Declinometer a little higher than usual, and Vertical Force unsettled. This is supposed to have been occasioned by the Disturbance of the 1st instant:—

2nd Sept.—From	Noon	to	2h.	fell	14·64	to 12·57	From Noon	to	2h.	fell	24·6	to 19·8
„	2h.	to	4h.	fell	12·54	to 12·24	„ 2h.	to	4h.	rose	19·8	to 26·9
„	4h.	to	6h.	rose	12·24	to 13·57	„ 4h.	to	6h.	fell	26·9	to 23·9

2nd Sept.—From	6h.	to	10h.	nearly stationary.		From	6h.	to	10h.	nearly stationary.	
„	10h.	to	11h.	rose 16·36 to 17·19		„	10h.	to	11h.	rose 23·5 to 25·5	
„	11h.	to	15h.	nearly steady.		„	11h.	to	15h.	rose 25·5 to 26·7	
„	15h.	to	21h.	rose 16·57 to 18·35		„	15h.	to	21h.	fell 26·7 to 16·8	
„	21h.	to	24h.	a gradual rise.		„	21h.	to	24·00	a gradual fall.	
4th Sept.—From	Noon	to	2h.	rose 16·32 to 16·46		From	Noon	to	2h.	rose 22·1 to 25·1	
„	2h.	to	4h.	rose 16·47 to 16·90		„	2h.	to	4h.	fell 25·1 to 21·9	
„	4h.	to	6h.	rose 16·90 to 17·81		„	4h.	to	6h.	rose 21·9 to 22·1	
5th Sept.—From	6h.	to	8h.	fell 17·75 to 17·45		„	6h.	to	8h.	rose 22·1 to 22·7	
„	8h.	to	10h.	rose 17·45 to 17·96		„	8h.	to	10h.	22·7 to 22·6	
„	10h.	to	14h.	rose 17·96 to 18·16		„	10h.	to	14h.	rose 22·6 to 25·6	
„	14h.	to	17h.	rose 18·16 to 19·30		„	14h.	to	17h.	fell 25·6 to 22·8	
„	17h.	to	20h.	fell 19·30 to 19·15		„	17h.	to	20h.	fell 22·8 to 16·2	
„	20h.	to	24h.	fell 19·15 to 17·23		„	20h.	to	24h.	rose 16·2 to 20·1	

12th October 1859.—Horizontal Force and Declinometer were both affected at 19h. on the 11th instant, and began to show the signs of a Magnetic Disturbance. Vertical Force suddenly rose two scale divisions, and kept afterwards slowly on a rise.

For a few hours after the commencement of this disturbance the fall in the Horizontal Force Magnetometer reading was slow, but after 4h. on the 12th instant it took a sudden sweep and fell about nine scale divisions in two hours.

Barometer had attained its highest readings on the 12th, and was afterwards gradually falling. Pressure of moisture was a little lower than usual, showing the comparative dryness of air about the time of the Disturbance. Horizontal Force was nearly steady in its movements on the 11th instant.

The movements of the several Magnetometers will be easily understood by the perusal of the following numbers:—

			Scale Division.	Scale Division.
12th Oct.	at Noon	Declination 22·9;	Horizontal Force 17·90;	Vertical Force 62·37
From	Noon to 2h.	22·9 to 21·9	17·90 to 18·15	62·37 to 62·45
„	2h. to 4h.	21·9 to 28·0	18·15 to 15·12	62·45 to 62·88
„	4h. to 6h.	28·0 to 30·5	15·12 to 8·25	62·88 to 63·25
„	6h. to 6h. 15m.	30·5 to 32·7	8·25 to 7·18	63·25 to 63·33
„	6h. 15m. to 8h.	32·7 to 28·3	7·18 to 9·88	63·33 to 62·94
„	8h. to 10h.	28·3 to 25·5	9·88 to 13·00	62·94 to 63·02
„	10h. to 14h.	25·5 to 26·1	13·00 to 15·32	63·02 to 63·08
„	14h. to 18h.	26·1 to 22·8	15·32 to 16·24	63·08 to 62·64
„	18h. to 22h.	22·8 to 22·1	16·24 to 16·61	62·64 to 62·72
13th Oct.	2h.	22·1 to 22·4	16·61 to 16·90	62·72 to 62·70
From	2h to 6h.	22·4 to 23·1	16·90 to 17·49	62·70 to 62·95

17th and 21st October 1859.—On the 17th instant Horizontal Force fell five divisions in ten hours, and on the 21st it fell about three divisions in two hours. Declinometer and Vertical Force were a little higher than the normal mean for this period. These Disturbances were of short duration, and the normal state of Magnetometers was but slightly disturbed.

13th November 1859.—The Earth's Mean Horizontal Force was decreasing gradually from 4th to 10th instant; it was a little higher on the 11th, but at noon on the 13th it was about two and a half scale divisions less than the Normal Mean. The Mean Horizontal Force gradually increased from 13th to 15th, and afterwards remained nearly steady in its normal curve. Declination was a little higher than its normal value for this month. Vertical Force slowly rising before the 13th, but afterwards nearly steady in its Normal Curve.

Barometer was slowly falling from 9th to 11th, but afterwards nearly steady for about a week. Pressure of moisture was high and variable.

13th December 1859.—The Horizontal Force Magnetometer was quite irregular in its movements a few days before this Disturbance. On the 12th instant at about 22h. Göttingen time, it fell about two scale divisions, and in the next two hours about four scale divisions more. Declinometer was rising from 15h. Göttingen time on the 12th, and had attained its highest reading at 10h. on the 13th instant, the movement of Vertical Force was irregular. Standard Barometer and Pressure were a little higher than usual.

	Horizontal Force.	Declination.
12th Dec.—From	23h. to 23½h. fell 17·50 to 16·89	From 23h. to 23½h. rose 26·3 to 26·9
„	23½h. to 23¾h. rose 16·89 to 17·25	„ 23½h. to 24h. fell 26·9 to 26·4
13th Dec.—From	Noon to 2h. fell 17·39 to 14·90	„ Noon to 2h. fell 26·4 to 24·0
„	2h. to 4h. rose 14·90 to 15·85	„ 2h. to 4h. rose 24·0 to 25 0
„	4h. to 6h. rose 15·85 to 16·69	„ 4h. to 6h. a slight rise.
„	6h. to 8h. a slight rise.	„ 6h. to 8h. rose 25·2 to 28·2
„	8h. to 10h. a slight fall.	„ 8h. to 10h. fell 28·2 to 25·2
„	10h. to 12h. rose 16·83 to 17·52	„ 10h. to 12h. fell 25·2 to 23·4
„	15h. to 14h. rose 17·52 to 18·17	„ 12h. to 14h. rose a little.
„	14h. to 16h. rose 18·17 to 19·06	„ 14h. to 16h. fell 22·7 to 21·4
„	16h. to 18h. a slight rise.	„ 16h. to 18h. rose 21·4 to 22·5
„	18h. to 20h. rose 22·05 to 24·2	„ 18h. to 20h. fell 22·5 to 18·94

TABLE LXIII.—*Showing the Disturbed as well as the Normal Values of Magnetic Elements, on the days of Magnetic Disturbances.*

Month and Date, 1859.	Declination.			Horizontal Force.			Vertical Force.			Dip (deduced.)			Total Force.		
	Disturbed Value.	Normal Value.	Difference.	Disturbed Value.	Normal Value.	Difference.	Disturbed Value.	Normal Value.	Difference.	Disturbed Value.	Normal Value.	Difference.	Disturbed Value.	Normal Value.	Difference.
				En Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.				E. Un.	E. Un.	E. Un.
January .. 10	20′781	20′600	−0·181	8·0247	8·0300	−0·0053	2·7439	2·7677	−0·0238	18°53′3	19°1′1	+0°07′8	8.482	8·481	+·001
February . 21	20·297	20·895	−0·598	·0294	·0236	+0·0058	·7965	·7933	+0·0032	19·11·7	·11·7	+ ·00·0	·502	·496	+·006
23	21·791	20·915	+0·876	·0070	·0234	−0·0164	·7946	·7937	+0·0009	·13·5	·11·5	+ · 2·5	·480	·495	−·015
24	21·214	20·925	+0·289	·0018	·0234	−0·0216	·7955	·7939	+0·0016	·14·3	·11·4	+ · 2·9	·475	·495	−·020
26	21·537	20·945	+0·592	·0025	·0232	−0·0207	·7916	·7943	−0·0027	·12·3	·11·2	+ · 1·1	·575	·496	−·021
April 21	22·894	20·920	+1·974	7·9936	·0285	−0·0349	·7991	·7947	+0·0044	·16·7	·10·7	+ · 6·0	·469	·501	−·032
29	21·957	21·023	+0·934	·9993	·0320	−0·0327	·7937	·7938	−0·0001	·14·0	·10·4	+ · 3·6	·472	·504	−·032
May 19	21·077	21·224	−0·147	8·0238	·0407	−0·0169	·7884	·7911	−0·0035	·10·6	·9·6	+ · 1·0	·496	·513	−·017
June 8	21·986	21·217	+0·769	·0357	·0564	−0·0207	·7914	·7883	+0·0031	·12·3	·8·9	+ · 3·4	·510	·529	−·019
July 11	22·678	21·306	+0·372	·0692	·0914	−0·0222	·7843	·7828	+0·0015	· 9·9	·6·8	+ · 3·1	·543	·564	−·021
18	21·611	21·312	+0·299	·0742	·0973	−0·0231	·7897	·7831	+0·0066	·12·1	·6·8	+ · 5·3	·551	·571	−·020
August .. 29	22·871	21·362	+1·509	·0566	·0931	−0·0365	·8184	·7903	+0·0281	·26·9	·9·6	+ ·17·3	·545	·569	−·024
September 1	23·902	21·382	+2·520	·0709	·0905	−0·0196	·8035	·7903	+0·0132	·19·3	·9·6	+ · 9·7	·553	·565	−·012
2	22·585	21·392	+1·193	·0551	·0892	−0·0341	·8099	·7903	+0·0196	·23·7	·9·6	+ ·14·1	·541	·565	−·024
4	21·892	21·411	+0·481	·0857	·0955	−0·0098	·8100	·7904	+0·0196	·19·4	·9·5	+ · 9·9	·569	·571	−·002
5	22·044	21·421	+0·623	·0780	·0942	−0·0162	·8081	·7905	+0·0176	·19·6	·9·5	+ ·10·1	·561	·569	−·008
6	21·966	21·430	+0·536	·0802	·0930	−0·0132	·8076	·7905	+0·0171	·18·5	·9·5	+ · 9·0	·562	·568	−·006
October .. 2	22·520	21·785	+0·735	·0557	·0637	−0·0080	·7758	·7883	−0·0125	· 5·6	·7·4	− · 1·8	·525	·535	−·010
12	24·715	21·938	+2·777	7·9828	·0524	−0·0696	·8082	·7874	+0·0208	·22·7	·6·2	+ ·16·5	·462	·521	−·059
13	22·744	21·953	+0·791	8·0327	·0513	−0·0186	·8062	·7873	+0·0189	·23·9	·6·2	+ ·17·7	·517	·521	−·004
18	23·713	22·017	+1·696	·0049	·0467	−0·0418	·8067	·7870	+0·0197	·18·5	·6·0	+ ·12·5	·482	·515	−·033
19	23·102	22·029	+1·073	·0242	·0460	−0·0218	·8048	·7870	+0·0178	·15·1	·6·0	+ · 9·1	·500	·515	−·015
20	22·969	22·041	+0·928	·0224	·0452	−0·0228	·8031	·7871	+0·0160	·14·4	·6·0	+ · 8·4	·497	·524	−·017
21	23·621	22·052	+1·569	·0057	·0445	−0·0388	·8031	·7871	+0·0160	·16·3	·6·0	+ ·10·3	·581	·612	−·031
November 13	23·207	22·308	+0·899	·0029	·0278	−0·0249	·7901	·7860	+0·0041	·12·5	·6·7	+ · 5·8	·474	·495	−·021
December 13	24·376	22·807	+1·569	7·9826	·0262	−0·0436	·7902	·7885	+0·0017	·16·5	·9·3	+ · 7·2	·457	·497	−·040
14	23·247	22·824	+0·423	8·0025	·0262	−0·0237	·7878	·7886	−0·0008	·12·5	·9·3	+ · 3·2	·475	·497	−·022

TABLE LXIV.—*Showing the Mean Effects of several Disturbances on the Magnetic Elements, compared with their Mean Effects on Horizontal Intensity, during the Year* 1859.

Declination (in Arc).	Horizontal Intensity in English Units.	Vertical Intensity in English Units.	Dip (deduced).	Total Force.	Number of Observation.
+0°2′·777	− 0·0696	+ 0·0208	+ 0°16′·5	− 0·059	1
+ ·1·633	− 0·0427	+ 0·0107	+ 0· 9·8	− 0·036	2
+ ·1·436	− 0·0344	+ 0·0136	+ 0·10·3	− 0·029	5
+ ·0·687	− 0·0224	+ 0·0052	+ 0· 4·7	− 0·019	9
+ ·0·839	− 0·0148	+ 0·0089	+ 0· 7·3	− 0·009	8
− ·0·389	+ 0·0002	− 0·0132	+ 0· 3·9	+ 0·003	2

From this Table it will be seen that all the Magnetic Elements were disturbed nearly in the same proportion, whether the Disturbance was great or small. From the first five lines in the table we find by proportion that—

If the Disturbance affects the Declination	2°·0 easterly.
It will affect the Dip	4·7 increasing.
It will affect the Horizontal Force	0·0565 decreasing.
It will affect the Vertical Force	0·0062 increasing.
It will affect the Total Force	0·0260 decreasing.

And since in nearly all the Disturbances, the different Magnetic Elements are affected in the same proportion, it is inferred that the Disturbing Magnetic Pole is situated in one place, and that place is not coincident with the Earth's Magnetic Pole. Further that this Disturbed Pole only acquires or loses its Magnetic property: the Magnetic Elements are therefore only affected with this increase or decrease in their polarity.

This place is easily determined, and the above inferences established, if we suppose that these disturbances are occasioned by a small Force, f, in a direction of which the Declination is ψ', and the Dip θ ; and by applying the equations given in the Volume of Observations on Magnetic Disturbances by Colonel Sabine, Part I. of 1840-41, and page xix., we obtain the following positions of the Disturbing Pole, ψ' and x being assumed to be respectively 0°21′·551 Easterly and 8·0539 Eng. Un.

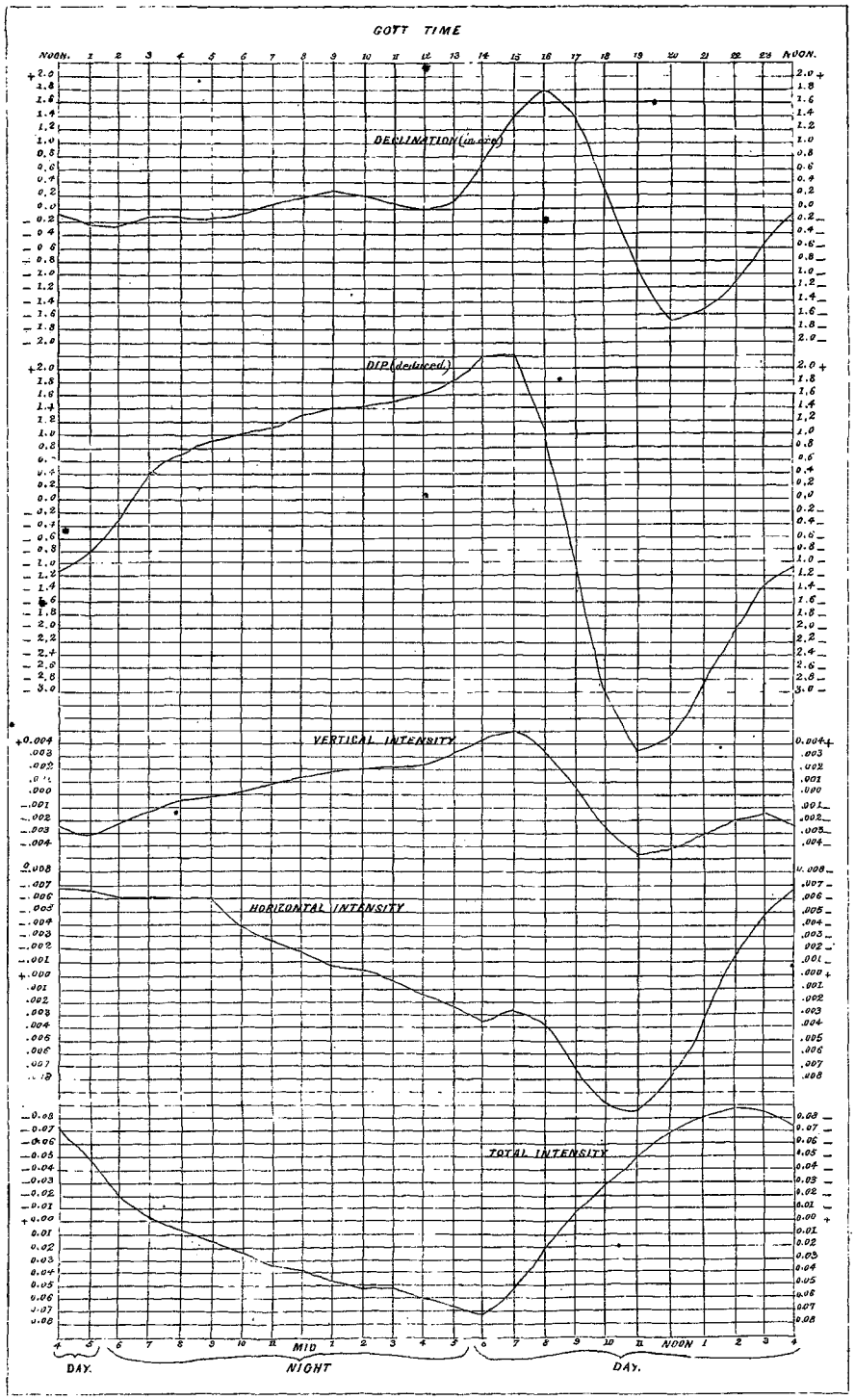
$\psi' = 35°21'$	$\theta' = 13°38'$	$f = 0·0882$
49·16	9·13	0·0668
55·15	12·35	0·0624
65·40	5·23	0·0554
73·16	9·37	0·0533

The first five lines of the last table were used in the reduction because the last line, being the effect of small Disturbances (as may be seen from the smallness of numbers), their result would not have been so accurate as that obtained from any other line.

It is rather a curious thing that all the five lines, as above used, should not give the same direction to the Disturbing Force f.

It is inferred from the above given results that the Inclination of the Disturbing Force was 9°·57 above the horizon, and the Disturbing Force 0·0652.

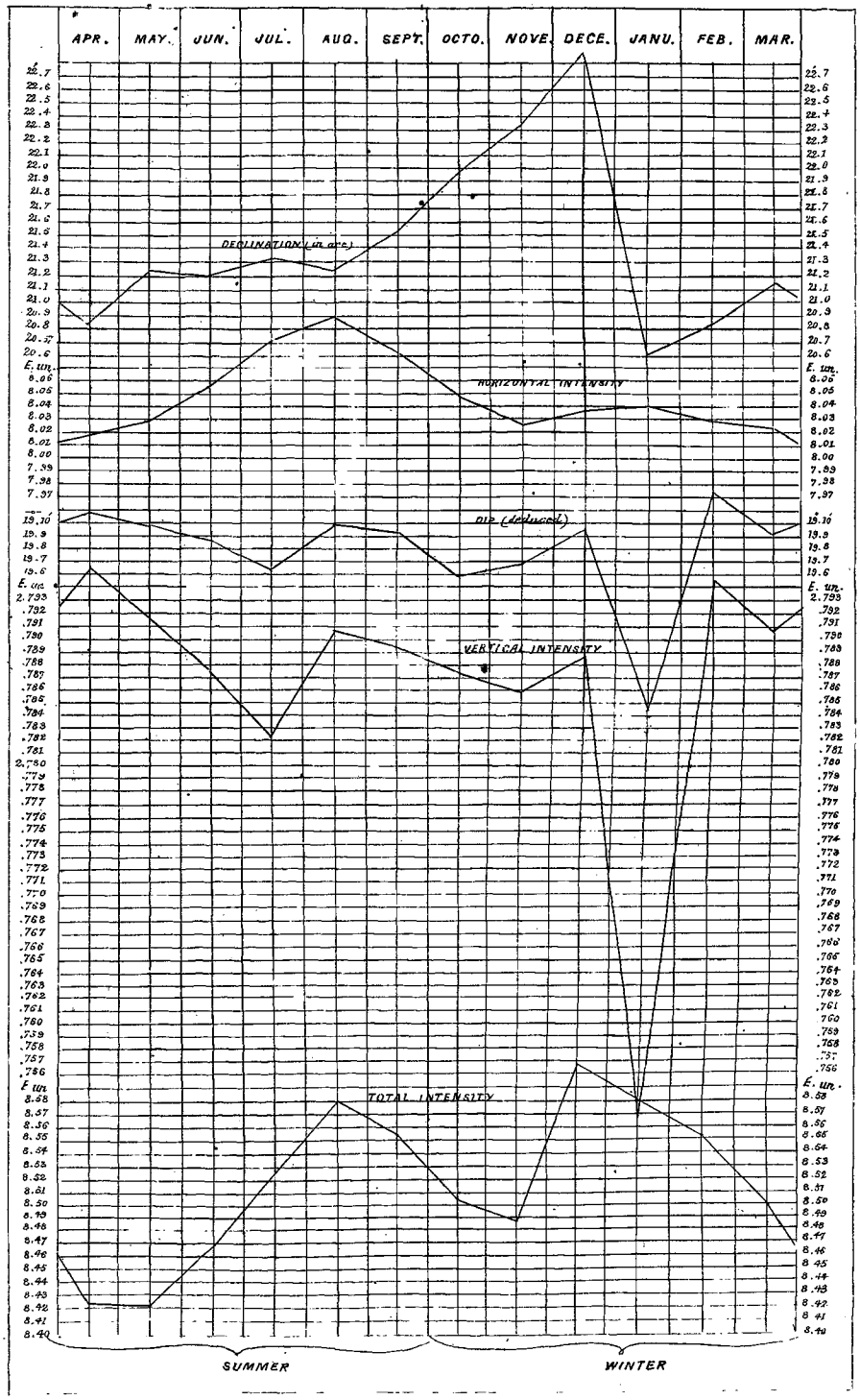
DIURNAL CHANGES OF THE MAGNETIC ELEMENTS. 1859


GOTT TIME
NOON. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 NOON.
DECLINATION (in arc)
DIP (deduced.)
VERTICAL INTENSITY
HORIZONTAL INTENSITY
TOTAL INTENSITY
4 5 6 7 8 9 10 11 MID 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4
DAY.
NIGHT
DAY.

Drawn by S. C. Schmucker

Carved by Daverdham Lawrence C. T. Assistant

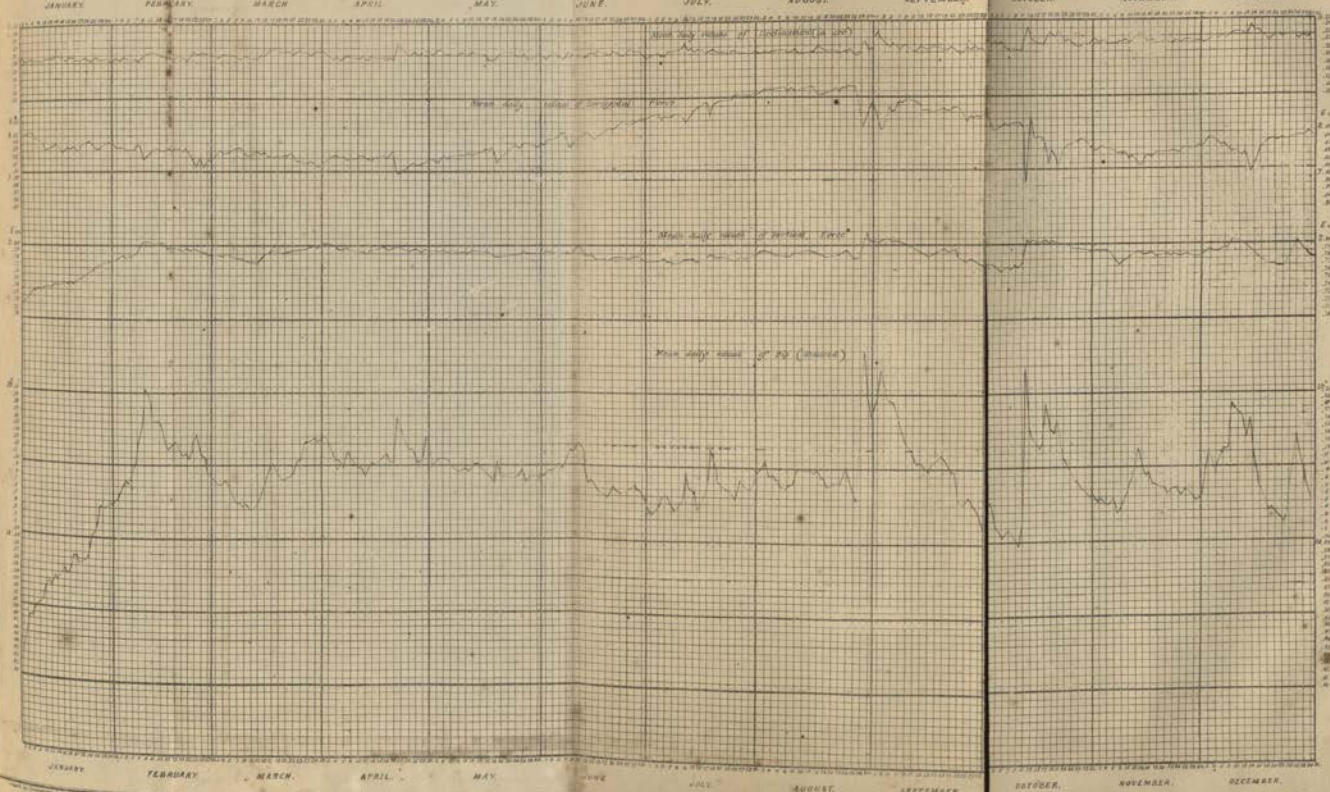
MONTHLY ABSOLUTE VALUES OF MAGNETIC ELEMENTS 1859.

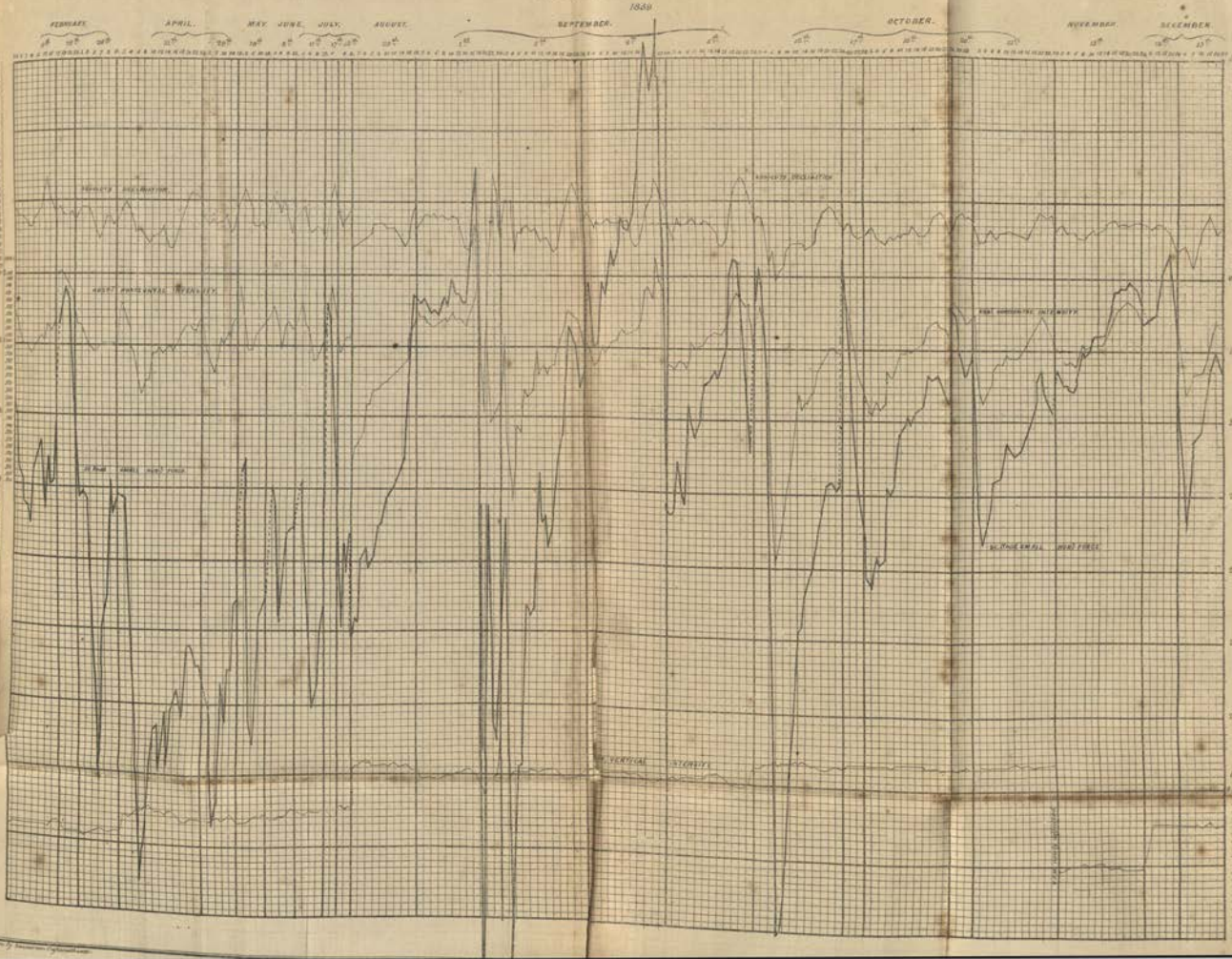


Drawn by S. Cassinathsell

Carved by Goverdhun Luxuman C.A.S.E. Assistant.

CURVES exhibiting the principal MAGNETICAL PHENOMENA, in the Year 1859.




MAGNETIC DISTURBANCES
1859
FEBRUARY.
APRIL.
MAY.
JUNE.
JULY.
AUGUST.
SEPTEMBER.
OCTOBER.
NOVEMBER.
DECEMBER.
VERTICAL INTENSITY

BOMBAY MAGNETICAL OBSERVATORY.

PART II.

METEOROLOGICAL OBSERVATIONS.

1859.

INTRODUCTION TO THE METEOROLOGICAL OBSERVATIONS

FOR 1859.

BAROMETERS.

THROUGHOUT the year 1859 two Standard Barometers (by Newman, of London), marked Nos. 58 and 48, were observed, and the observations of each were duly registered. As both Barometers are exactly of the same construction, and are fixed side by side, in wooden brackets, to the east wall of the Magnetic Observatory, a description of Barometer No. 58, as given in the volume for 1852, will answer for both instruments.

The observations show that both Barometers acted simultaneously throughout the year, and that each reading of Barometer No. 48 is about 0·013 higher than each reading of No. 58, consequently no results were deduced from the former Barometer.

TABLE,—*Showing the Mean Monthly Height of Barometers Nos.* 48 *and* 58, *corrected for Temperature of Mercury and Brass.*

Months.	Mean Height of Barometer.			Months.	Mean Height of Barometer.		
	No. 48.	No. 58.	Difference.		No. 48.	No. 58.	Difference.
	in.	in.			in.	in.	
January	29·946	29·933	0·013	July	29·642	29·628	0·014
February	·931	·918	·013	August	·744	·731	·013
March	·891	·878	·013	September	·792	·779	·013
April	·800	·787	·013	October	·867	·854	·013
May	·802	·789	·013	November	·864	·851	·013
June	·674	·662	·012	December	·944	·931	·013

The verticality of the Barometer is frequently examined.

The height of the surface of the mercury in the cistern above the floor of the Magnetic Observatory is 4 feet 6 inches, and above the mean level of the sea 37·5 feet. This measurement is founded upon levellings made by Professor Pole, of the Elphinstone Institution, in 1845.

Every observation of the Barometer has been corrected for Temperature to 32° Fahr., by the application of the corrections contained in the "Tables for Barometers whose Scales are engraved upon Brass," as given in the Royal Society's Report for 1840.

THERMOMETERS.

All the Thermometers during the year 1859 were observed within a shed, which is about 38 feet distant from the S.E. angle of the Large Magnetic Observatory. The construction of the shed is described in the volume for 1852.

The Temperature of the Air was determined by one of Newman's Standard Thermometers. It is suspended from the roof of the shed to about five feet above the ground; a table is placed under it, with a view of preventing any radiation from the surface of the ground affecting its bulb.

The Temperature of the stratum of air in contact with the ground was measured by a common bath Thermometer; it has a brass scale divided to two degrees. The length of 10 degrees is 0·32 inch. Its bulb is 0·41 inch in diameter, and lies exposed to the free currents of air within the Thermometer shed. After the 5th of August 1859 a new Thermometer was used; it has a brass scale divided to one degree; the length of 10 degrees is 0·7 inch; its bulb is 0·52 inch in diameter.

THERMOMETER SUPPOSED TO MEASURE THE AIR CONFINED IN THE OBSERVATORY is the Thermometer attached to the Large Horizontal Force Magnetometer. The bulb is within the box; and it is therefore supposed to measure the Temperature of the confined air induced from the free and external air.

THERMOMETER SUNK SIX INCHES BELOW THE SURFACE OF THE GROUND is exactly similar to that which measures the Temperature of external and free air. The place in which it is sunk is nearly in the centre of the ground within the Thermometer shed; the soil about it is composed of red earth and a portion of decomposed trap gravel.

THERMOMETERS SUNK TWENTY AND SIXTY INCHES BELOW THE SURFACE OF THE GROUND are Mercurial Thermometers, by Newman, the construction of which is given in the Introduction to the volume for 1851, page v.

WET BULB THERMOMETER.—The Temperature of Evaporation was observed with one of the bulbs of Newman's Wet Bulb Thermometer, which is described in the volume for 1854. A gauze-wire cover is placed over the instrument, to prevent birds, &c., disturbing the instrument from the water which is placed near it. The cloth which is kept around the bulb is frequently changed and renewed.

From the Temperature of External and Free Air and the Temperature of Evaporation, the following quantities have been deduced:—

1. Pressure of Moisture.
2. Humidity of Air.
3. Temperature of Dew-Point.
4. Weight, in grains, of a cubic foot of Air.

5. Weight, in grains, of Moisture in a cubic foot of Air.
6. Weight required for complete saturation of a cubic foot of Air.
7. Pressure of Dry Air.
8. Evaporation.

The following Table, from which these different quantities were found, has been extracted principally from the Introduction to the Greenwich Magnetical and Meteorological Observations of 1845, and from Hygrometric Tables published by Professor Orlebar in 1846 :—

Temperature, Fahr.	Force of Vapour corresponding to the Temperature, Fahr.	Weight of a Cubic Foot of Common Air.			Weight of Moisture in a Cubic Foot of Air.		
		Weight.	Correction.		Weight.	Correction when Weight = 10 grs.	
			Standard Barometer.	Correction.		Depression of Dew-Point.	Correction.
	in.	grs.	in.	grs.	grs.		grs.
40°	0·264	552	29·1	−20	3·1	0°	−0·0
45	0·314	546	·2	−18	3·6	2	−0·0
50	0·374	540	·3	−16	4·3	4	−0·1
55	0·442	534	·4	−14	5·0	6	−0·1
60	0·523	528	·5	−10	5·9	8	−0·2
65	0·617	522	·6	− 8	6·9	10	−0·2
70	0·726	517	·7	− 6	8·0	12	−0·2
75	0·854	511	·8	− 4	9·3	14	−0·3
80	1·001	504	·9	− 2	10·8	16	−0·3
85	1·172	498	30·0	− 0	12·5	18	−0·3
90	1·367	493	·1	+2	14·5	20	−0·4

1. *Pressure of Moisture.*

This quantity was determined by means of Dr. Apjohn's formula, taking the mean yearly barometric pressure = 29·8 inches :—

$$f'' = f' - d \times 0{\cdot}0114;$$

In which f'' represents the Pressure of Moisture, or the Force of Vapour at the Temperature of Dew-Point;

f' represents the Force of Vapour at the Temperature of Evaporation;
d represents the Depression of Wet Bulb Thermometer.

2. *Temperature of Dew-Point*

Was at once deduced from the Pressure of Moisture, for the Force of Vapour at the Dew-Point is the Pressure of Moisture.

3. *Humidity of Air*

Was found from the Pressure of Moisture and Tension of Vapour, at the temperature of external and free air, by means of the following formula, $H = \frac{f''}{f}$; in which H denotes the Humidity of Air, f'' represents the force of Vapour at the temperature of Dew-Point, f represents the Tension of Vapour at temperature of the air.

4. *Weight, in Grains, of a Cubic Foot of Air*

Was determined by finding the weight at the temperature of external and free air, and correcting it for barometric height; the correction for humidity, being small, was neglected.

5. *Weight, in Grains, of Moisture in a Cubic Foot of Air*

Was derived by finding the weight of Moisture at the temperature of Dew-Point, and subtracting from it the proportional correction for the depression of Dew-Point.

6. *Weight required for complete Saturation of a Cubic Foot of Air*

Was determined by subtracting the weight of Moisture, as obtained by the last method (No. 5), from the weight of Moisture at the temperature of external and free air.

7. *Pressure of Dry Air.*

If the pressure of Moisture be subtracted from the height of Barometer corrected for Temperature, the remainder is considered to be the pressure of Dry Air.

8. *Evaporation.*

The mean quantity of evaporation for each day was calculated by subtracting the force of Vapour at the mean temperature of Dew-Point from the force of Vapour at the mean temperature of air for that day.

All these quantities, which have thus been calculated, are given in the Meteorological Results; a detailed account of the method of calculating these elements is given in the preceding volumes.

As an example.—Let the temperature of air be 80°, the temperature of evaporation 72°, and the height of Standard Barometer (corrected) 29·7 in.; required the different quantites:—

1.	Pressure of Moisture	0·684
2.	Temperature of Dew-Point	68·01
3.	Humidity of Air	0·68
4.	Weight of a cubic foot of Air	4·98 gr.
5.	Weight of Moisture in a Cubic foot of Air	7·3 gr.
6.	Weight of Water required for complete saturation of a Cubic foot of Air	3·5 gr.
7.	Pressure of Dry Air ....29·016 in.	
8.	Quantity of mean Evaporation in 24 hours = ...	0·316 in.

The Direction of Wind

Is self-registered by one of Newman's Anemometers, moved by a pendulum clock, which is fixed in the western wall of the Transit-Room in the Astronomical Department. The Force of Wind is also registered by a pencil, connected by means of a copper wire, &c., with a sheet of copper-plate placed immediately beneath the vane. The paper upon which the direction and force of wind are registered is changed every day at noon.

Occasional Adjustments.

1st July 1859.—The accuracy of the force of wind registered by self-registering Anemometer examined; the registered force exactly coincides with the actual weights applied.

The Force of the Wind on all ordinary occasions

Is measured at each hourly observation, by estimation or by Lynd's Wind-Gauge. The tube is of equal diameter with the orifice where the wind enters, and the pressure of the wind, corresponding to the height at which the column of water rises, is ascertained by the table given in the Report of the Committee of the Royal Society for 1840, page 84.

All high winds, such as storms, gusts, or any pressure exceeding two pounds, were taken from the register made by the pressure-plate of Osler's Self-Registering Wind-Gauge.

Rain

Was measured by two Rain Gauges, marked No. 1 (Newman's) and No. 2 (Osler's).

Rain-Gauge No. 1, or Newman's, is a copper funnel, whose diameter is twelve inches; its exposed area consequently is 113 square inches. The water passes into a cylinder, and raises a copper float, to which a deal rod, graduated to 0·01 of an inch, is fixed, and held upright by means of a light brass rod placed horizontally across the upper rim of the funnel.

The Rain-Gauge No. 2 is connected with Osler's Anemometer. It is about 65 feet above the mean level of the sea, and it exposes to the rain an area of 200 square inches, as its horizontal dimensions are 10 by 20 inches. Its surface is 6 feet above the outside of the roof of the Transit-room of the Astronomical Observatory. A quarter of an inch by glass receiver is equal to 29·94 ounces by measure.

For a description of Rain-Gauges and the Anemometers, see the Introduction to the volume for 1848.

Weather.

The whole sky covered with clouds is estimated as 8, and the complete absence of clouds as "clear." The motion of the clouds is determined as follows: The walls of the Magnetical Observatory are in the meridian and prime vertical, so that when a cloud is passing the zenith, the observer takes his stand at one of the angles of the Observatory, and at once determines its motion relative to the position of the Observatory.

The nomenclature adopted is that of Mr. Howard, with some combinations, set down under the following symbols:—

Cirrus.	Cumulo-stratus.	Hem. Hemisphere.
Cumulus.	Nimbus.	Hor. Horizon.
Stratus.	Cirri.	Zth. Zenith.
Cirro-cumulus.	Cumuli.	H. Hour.
Cirro-stratus.	Strati.	M. Minute.
		S. Second.

TIDAL OBSERVATIONS.

These are registered by self-registering apparatus, moved by a pendulum clock, which is fixed upon a strong wooden table, in a small building to the east of the Observatory compound (enclosure), close to the sea-shore.

The position of the Tide-house with respect to the Harbour, the nature of the ground from the tide-house to the sea-water, the character of iron siphon pipes, the dimensions of the well in which the iron pipes are immersed, and the position of self-registering apparatus, are all described in the volume for 1848.

This instrument is considered next to useless, as it works under manifold disadvantages; in some instances the air-cock goes out of order; in some the lower cock becomes sluggish in its movements, by constant effect of salt water over the iron cylinder of which the cock is made; in some cases the registry is partially broken by irregular movements of the cock, which is also affected by the salt vapour. From 26th July to the close of the year the Tidal Apparatus was under repairs.

ELECTRICAL APPARATUS.

The Electrical House adjoins the Magnetical Observatory on the eastern side, to which communication is had by a venetian door; it is 10 feet square in the interior, and 41 feet high to the eaves of the roof; the walls are of red brick, and gradually diminish in thickness at each story as the building ascends; they are two feet thick at the first floor, and plastered both inside and out. All explanations relative to the house and instruments therein having been given in the volume for 1857, it is not necessary to repeat them here.

The whole apparatus in use consists of the following instruments: Two Volta Electrometers, denoted by Nos. 1 and 2; a Henly's Electrometer; a Ronald's Spark Measure; and a Bennet's Gold-Leaf Electrometer.

This instrument shows no effect of Electricity on the several Electrical jars during the Monsoon or rainy days. This is occasioned, no doubt, from the peculiar state of weather in those days, for notwithstanding the necessary precautions usually adopted to keep the current of Electricity from being checked (by the action of water on the insulators or from the cobwebs), the instrument does not show any kind of Electricity in the atmospheric air.

BOMBAY GOVERNMENT OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1859.

Bombay Civil Time, 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 3rd-Midnight	29.942	29.274	73°4	69°4	4°0	67°4	0.82	73°8	75°6	N b W	0.3					
1 a. m.	.935	.283	72.0	68.5	3.5	66.6	.84	72.0	75.5	NE b N	0·2					
2 „	.926	.285	71.6	68.0	3.6	66.1	.84	71.6	75.4	„	0·1					
3 „	.911	.255	70.8	68.2	2.6	66.8	.88	71.0	75.2	„	0.2					
4 „	.906	.267	70.6	67.6	3.0	66.0	.86	70.8	75.0	„	0.1					
5 „	.904	.269	70.4	67.4	3.0	65.8	.86	70.8	75.0	„	0.0					
6 „	.924	.294	69.6	67.0	2.6	65.6	.88	70.2	74.6	„	0.1					
7 „	.966	.319	69.9	67.6	2.3	66.4	.89	70.3	74.6	„	0.1					
8 „	.996	.334	72.2	68.8	3.4	67.1	.85	72.4	74.7	N b E	0.1					
9 „	30.009	.319	73.3	70.0	3.3	68.4	.85	73.4	74.9	„	0.1					
10 „	.011	.364	76.0	69.6	6.4	66.4	.73	75.7	75.2	NNW	0.1					
11 „	29.986	.344	77.6	70.0	7.6	66.2	.69	76.9	75.4	N b W	0.2					
Noon.	.956	.308	78.0	70.3	7.7	66.5	.69	76.8	75.6	NNW	0.4	None.			None.	
1 p. m.	.924	.271	78.2	70.5	7.7	66.7	.69	77.0	75.7	NW b N	0·4					
2 „	.907	.283	77.4	69.4	8.0	65.3	.68	76.5	75.9	„	0·3					
3 „	.897	.263	78.4	70.0	8.4	65.8	.67	77.4	76.0	„	0·2					
4 „	.912	.286	76.0	69.0	7.0	65.4	.71	75.5	76.0	„	0·7					
5 „	.938	.320	74.3	68.2	6.1	65.0	.74	74.3	75.8	„	1·0					
6 „	.951	.327	73.2	68.0	5.1	65.3	.78	73.3	75.6	„	1·0					
7 „	.966	.357	72.8	67.4	5.4	64.6	.77	73.2	75.5	„	1·0					
8 „	.979	.388	72.4	66.4	6.0	63.6	.74	73.0	75.3	NNW	0·5					
9 „	.993	.457	72.4	65.0	7.4	60.7	.68	72.6	75.1	NW b N	0·5		+	3		Above 10m.
10 „	.791	.415	72.8	66.4	6.4	62.9	.72	72.8	75.0	NW b W	0·8		+ +	2		Above 10m.
11 „	.975	.410	72.6	66.0	6.6	62.3	.72	72.7	75.0	„	1.2		+	2		Above 10m.
Jan. 4th-Midnight	.964	.396	72.4	66.0	6.4	62.5	.72	72.4	74.8	NW b W	0.6					
1 a. m.	.958	.393	72.6	66.0	6.6	62.3	.72	72.8	74.7	„	0.7					
2 „	·958	·389	72.8	66.2	6.6	62.5	.72	72.5	74.6	„	0.4					
3 „	.944	.329	71.0	67.0	4.0	64.9	.82	71.0	74.5	NE	0.2					
4 „	.947	.345	70.4	66.4	4.0	64.2	.82	70.8	74.4	„	0.2					
5 „	·951	.368	69.2	65.4	3.8	63.2	.83	70.0	74.2	„	0.2					
6 „	.961	.375	67.8	65.0	2.8	63.4	.87	69.0	74.1	„	0.1					
7 „	.982	.393	67.4	64.8	2.6	63.3	.88	68.5	73.7	NE b E	0.1					
8 „	30·009	.398	70.2	66.6	3.6	64.7	.84	70.5	73.8	„	0.0					
9 „	.040	.405	73.7	68.5	5.2	65.8	.78	73·2	73.9	„	0.1					
10 „	.031	·396	75.2	69.0	6.2	65.8	.74	74.3	74.3	ENE	0·2					
11 „	.003	.279	76.0	71.8	4.2	69.9	.82	75.0	74.5	N b W	0·2					
Noon.	29.978	.254	76.6	72.0	4.6	69.9	.81	75.2	74.7	NNW	0.1	None.			None.	
1 p. m.	.950	.417	77.0	66.5	10.5	60.5	.59	76.0	74.9	NW b N	0.2					
2 „	.930	.407	77.6	66.4	11.2	60.0	.57	76.2	75.1	„	0·3					
3 „	·920	.371	77.0	67.0	10.0	61.4	.60	76.0	75.2	„	0.3					
4 „	.926	.370	76.4	67.0	9.4	61.8	.62	75.5	75.2	NW	0.2					
5 „	.929	.390	73.9	65.6	8.3	60.9	.65	73.9	75.1	NW b N	0.5					
6 „	·940	.398	71.8	65.0	6.8	61.0	.70	72.1	74.9	N b W	0·5					
7 „	.956	.451	70.8	63.4	7.4	58.9	.68	71.2	74.6	NW	0·5					
8 „	.967	.466	70.6	63.2	7.4	58.7	.68	71.0	74.3	„	1·0					
9 „	.973	.483	69.3	62.2	7.1	57.7	.68	69.3	74.0	N	0.6					
10 „	.976	.517	68.4	61.0	7.4	56.1	.67	68.7	73.6	„	0·5		+	2		Above 10m.
11 „	.977	.549	66.7	59.3	7.4	54.0	.66	67.0	73.2	N b E	0·4		+	1		Above 10m.
Jan. 5th-Midnight	.969	.531	66.3	59.5	6.8	54.7	.68	67.0	73.0	N b E	0.3		+	4		Above 10m.
1 a. m.	.949	.515	66.4	59.4	7.0	54.4	.67	67.0	72.7	NNE	0.4		+	2		Above 10m.
2 „	.948	.551	65.4	57.7	7.7	51.8	.64	65.8	72.5	N b E	0.4		+	2		Above 10m.
3 „	.927	.534	65.6	57.6	8.0	51.5	.63	65.8	72.1	„	0.6		+	2		Above 10m.
4 „	.925	.552	64.4	56.4	8.0	50.0	.62	65.0	71.7	„	0.4		+	2		Above 10m.
5 „	.933	.519	64.2	57.8	6.4	53.0	.69	64.7	71.5	„	0.6	None.	+	1	None.	Above 10m.
6 „	.950	.570	62.8	56.0	6.8	50.5	.66	63.0	71.2	„	0.3		+	1		Above 10m.
7 „	.980	.575	62.6	56.8	5.8	52.4	.72	63.4	70.9	„	0.1					
8 „	.994	.577	61.8	58.2	6.6	53.2	.68	65.0	70.8	„	0·3					
9 „	30.011	.605	69.2	59.5	9.7	52.4	.57	69.0	71.0	„	0·1					
10 „	.006	.562	71.9	61.8	10.1	55.1	.68	71.4	71.5	„	0.1					
11 „	29.973	.501	74.2	63.6	10.6	56.9	.57	73.0	72.0	N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
4	C	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 77°7 and 81°3.
3	K	" "	
2	K	≀≀ scattered about hor.	
3	K	≀≀ scattered about, moving E.	
3	K	≀≀ scattered about, moving SE.	
2	L	≀≀ scattered about, moving E.	
4	L	≀≀ scattered about, moving N.	
4	L	" "	
3	L	" "	
7	C	≀≀ scattered throughout, moving NE.	
7	C	" "	
6	C	" "	
4	C	≀≀ scattered about, moving N.	
3	K	" "	
6	K	≀≀ scattered throughout, moving N.	
7	K	" "	
7	K	" "	
7	L	⌣ around hor.; ≀≀ scattered throughout, moving NE.	
4	L	⌣ along W hor.; ≀≀ scattered about hor., moving NE.	
4	L	≀≀ scattered about, moving NE.	
4	L	" "	
4	C	≀≀ scattered about hor.	
3	C	"	
4	C	≀≀ around hor.; ≀ in E hem., moving ESE.	
5	C	≀≀ scattered about, moving E.	
6	K	≀≀ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 81°2.
5	K	" "	
5	K	" "	
6	K	" "	
2	L	≀≀ scattered around hor.	
1	L	"	
1	L	≀≀ and mist around hor.	
1	L	≀≀ and mist around hor., except in S and SW.	
2	C	≀≀ around hor.	
2	C	Patches of ≀≀ scattered here and there, moving ESE.	
2	C	Patches of ≀≀ scattered here and there, moving SE.	
3	C	Patches of ≀≀ scattered about, moving E.	
4	K	" "	
3	K	" "	
4	K	" "	
3	K	≀≀ scattered about, moving SE.	
3	L	" "	
1	L	Patches of ≀≀ scattered here and there, moving SE.	
1	L	≀≀ scattered along W hor.	
1	L	"	
1	C	"	
0	C	Clear.	
0	C	"	
0	C	A few patches of ≀≀ above W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 81°1. On this day the temperature of evaporation at 6 A. M. was 56°0 lowest in the month, and about 10°1 lower than the normal mean; the least temperature of external and free air during this month occurred on this day at 7 A. M., and it was about 7°1 lower than the normal mean.
0	K	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	L	"	
0	L	A few pieces of ≀≀ above SE hor.	
0	L	Mist in hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 5th–Noon.	29.941	29.443	75°8	65°0	10°8	58°5	0.57	74°4	72°4	NNW	0.3					
1 p. m.	.907	.377	77.2	66.5	10.7	60.4	.58	76.0	73.0	NW	0.3		+	2		Above 10m.
2 „	.887	.327	77.8	67.6	10.2	62.0	.60	76.5	73.3	NNW	0·4		+	2		Above 10m.
3 „	.876	.289	78.0	68.5	9.5	63.4	.62	76.5	73.7	„	0.7					
4 „	.879	.293	76.6	68.0	8.6	63.4	.65	75.5	73.8	„	1.0					
5 „	.883	.279	73.8	67.6	6.2	64.3	.73	73.6	73.9	„	2.0					
6 „	.901	.299	72.2	67.0	5.2	64·2	.77	72.3	73.7	„	2.0	None.			None.	
7 „	.916	.355	71.2	65.4	5.8	62.1	.74	71.4	73.6	„	0.5		+	2		Above 10m.
8 „	.938	.391	69.8	64.5	5.3	61.4	.76	70.0	73.3	„	0.4		+	1		Above 10m.
9 „	.951	.402	68.4	64.0	4.4	61.4	.80	69.0	72.9	N b W	0.1		+	2		Above 10m.
10 „	.942	.395	67.4	63.6	3.8	61.3	.82	68.2	72.6	„	0.0		+	2		Above 10m.
11 „	.935	.421	67.5	62.5	5.0	59.4	.77	68.5	72.5	„	0.0		+	2		Above 10m.
Jan. 6th-Midnight	.933	.407	67.7	63.0	4.7	60.1	.78	68.4	72.4	N b W	0.0		+	2		Above 10m.
1 a. m.	·920	.438	66.4	61.0	5.4	59.5	.74	67.0	72.3	„	0.0					
2 „	.913	.416	67.6	62.0	5.6	58.4	.74	68.0	72.1	„	0.0					
3 „	.900	.421	66.6	61.0	5.6	57.3	.74	67.0	71.9	„	0.1					
4 „	.905	·444	65.6	60.0	5.6	56.2	.73	66.0	71.6	„	0·2					
5 „	.920	.427	65.4	61.0	4.4	58.2	.79	66.4	71.6	„	0.1					
6 „	.934	.437	65.0	61.0	4.0	58.4	.81	65.4	71.3	„	0.1					
7 „	.960	.413	64.5	62.5	2.0	61.3	.90	65.2	71.2	„	0.1					
8 „	.980	.288	70.0	69.0	1.0	68.5	.95	69.8	71.5	NNE	0.3					
9 „	.999	.436	72.8	66.0	6.8	62.2	.71	72.2	71.9	NE	0.4					
10 „	.980	.426	74.8	66.4	8.4	61.7	.65	74·0	72.4	„	0·2					
11 „	.959	.355	78.0	69.0	9.0	64.3	.64	77.0	72.9	NE b E	0·1	None.				
Noon.	.937	.325	82.8	70.8	12.0	64.7	.56	81.0	73.5	NE b N	0·1					
1 p. m.	.900	28.963	82.0	79.0	3.0	77.9	.88	79.8	74.6	NW	0·4					
2 „	.879	29.077	81.5	75.5	6.0	73.0	.76	79.5	75.0	„	0·8		+	1		Above 10m.
3 „	.880	.155	79.9	73.0	6.9	70.7	.73	78.6	75.2	NW b N	1.5		+	5		3.00
4 „	.880	.141	78.6	73.0	5.6	70.5	.77	77.6	75.3	NNW	1.0		+	4		4.00
5 „	.886	.167	76.4	71.8	4.6	69.7	.81	75.8	75.3	„	0.5		+	8	6	2.50
6 „	.899	.189	74.6	71.0	3.6	69.3	.84	74.7	75.0	„	0.5		+	6	5	3·40
7 „	.913	.144	74.2	72.5	1.7	71.7	.92	74.2	74.8	„	0.4		+	6	5	3.20
8 „	·931	.157	73.8	72.5	1.3	71.9	.94	73.8	74.7	„	0.3		+	8	6	1.10
9 „	.938	.203	72.4	71.0	1.4	70.3	.94	73.0	74.7	„	0.1		+	6		1.15
10 „	.938	.247	72.0	69.6	2.4	68.4	.89	72.8	74.5	„	0.0		+	1		2.18
11 „	.924	.233	72.0	69.6	2.4	68.4	.89	72.5	74.5	„	0.0					
Jan. 7th-Midnight	.910	.213	72.6	70.0	2.6	68.7	.88	73.0	74.5	NW b N	0.2					
1 a. m.	.906	.232	71.6	69.0	2.6	67.7	.88	72.0	74.4	„	0.0					
2 „	.898	.207	71.0	69.3	1.7	68.4	.92	71.5	74.3	„	0.0					
3 „	.889	.252	70.5	67.5	3.0	65.9	.86	71.0	74.1	„	0.0					
4 „	.901	.303	69.6	66.0	3.6	64.0	.84	70.0	73.9	„	0.0					
5 „	.904	.265	71.8	68.0	3.8	66.0	.83	72.1	74.0	N b E	0·1					
6 „	.921	.271	72.6	68.6	4.0	66.6	.82	72.8	74.1	NE	0·8					
7 „	.962	.318	72.6	68.4	4.2	66.3	.82	72.5	74.1	NE b N	0.2					
8 „	.997	.363	73.8	68.5	5.3	65.8	.77	73.6	74.2	NNE	0.1					
9 „	30.018	.380	77.3	69.8	7.5	66.0	.69	76.5	74.4	N	0.1					
10 „	.015	.373	80.7	73.7	7.0	66.2	.73	79.9	75.0	„	0.1					
11 „	29.992	.361	82.6	71.0	11.6	66.3	.57	81.0	75.5	NNE	0.0					
Noon.	.959	.223	84.7	74.7	10.0	70.4	.64	83.2	76.2	„	0.1	None.			None.	
1 p. m.	.929	.178	83.0	74.6	8.4	71.0	.68	81.0	76.5	NW	0.3					
2 „	.905	.150	82.6	74.6	8.0	71.2	.69	81.0	76.9	NW b N	0·6					
3 „	.902	.130	83.2	75.2	8.0	71.8	.70	81.6	77.2	„	0·5					
4 „	.903	.107	82.4	75.6	6.8	72.8	.74	81.0	77.4	NNW	0·5					
5 „	.922	.142	80.0	74.5	5.5	72.2	.78	79.2	77.4	„	0·3					
6 „	.939	.170	77.6	73.5	4.1	71.7	.83	77.5	77.1	N b W	0.6					
7 „	.953	.192	76.6	73.0	3.6	71.7	.85	76.6	76.9	„	0·5					
8 „	.970	.187	76.0	73.4	2.6	72.3	.89	76.0	76.7	NW	0.7					
9 „	.985	.201	75.2	73.2	2.0	72.3	.91	75.3	76.5	NNW	0.1					
10 „	.971	.220	74.2	72.0	2.2	71.0	.90	74.5	76.4	N	0.0					
11 „	.960	.263	73.6	70.3	3.3	68.7	.85	74.0	76.2	„	0.0		+	4		0.04

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are : Ci cirri ; Cci cirro-cumuli ; Cu cumuli ; Csi cirro-strati ; Cu-s cumulo-strati ; and Cu-n nimbi.	
0	C	A few Ci in E hor.	5th January was almost a cloudless day.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 81°1. The reading of wet bulb thermometer at 1 P. M. was greatest in month and about 7°3 greater the normal mean.
3	K	Ci scattered about, moving N.	
0	K	Clear.	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	A few patches of Ci in SW and W hor.; mist in hor.	
0	L	" " "	
0	C	Mist around hor.	
0	C	A few pieces of Ci in E hor.	
0	C	"	
0	C	"	
1	K	Ci scattered about hor. from NE to SE.	
1	K	" "	
1	K	" "	
1	K	" "	
1	L	" "	
1	L	" "	
1	L	" "	
1	L	" "	
0	C	A few Ci in E hor.	
0	C	Clear.	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°8 and 81°0.
0	K	Clear; dew falling copiously.	
0	K	" "	
0	K	" "	
0	K	" "	
0	L	" "	
0	L	A few pieces of Ci along E hor.	
0	L	" "	
0	L	Pieces of Ci scattered about hor.; mist in hor.	
2	C	Pieces of Ci scattered about, moving SE.	
3	C	Pieces of Ci scattered about, moving SSE.	
3	C	" "	
1	C	" "	
1	L	Ci scattered along E hor.	
1	L	"	
1	L	"	
1	L	"	
2	K	Pieces of Ci scattered here and there, moving SW.	
4	K	Ci scattered about, moving SW.	
2	K	Ci scattered about hor., moving W.	
2	B	Ci scattered about hor.	
2	C	"	
3	C	Patches of Ci scattered here and there, moving WNW; dew falling.	
2	C	Patches of Ci scattered along E hor.; dew falling.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds from the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 8th-Midnight	29.956	29.247	72°5	70°3	2°2	69°2	0.90	73°5	76°0	N	0.0		+	2		0.03
1 a. m.	.942	.245	72.6	70.0	2.6	68.7	.88	73.0	75.8	„	0·0		+	2		0.40
2 „	.931	.271	72.0	68.7	3.3	67.0	.84	72.8	75.5	„	0.0					
3 „	.917	.291	73.0	68.0	5.0	65.5	.78	73.5	75.5	NE b N	0.2					
4 „	.921	.290	74.0	68.5	5.5	65.6	.76	74.0	75.4	NE	0·4					
5 „	.934	.346	72.0	66.5	5.5	63.5	.76	72.5	75.5	NNE	0·1					
6 „	.953	.343	72.0	67.2	4.8	64.6	.79	72.3	75.3	„	0.1		+	1		Above 10m.
7 „	.993	.363	72.1	67.8	4.3	65.6	.81	72.4	75.2	NE	0·0		+	2		Above 10m.
8 „	30.019	.391	74.9	68.7	6.2	65.5	.74	74.8	75.3	„	0.2					
9 „	.037	.464	77.8	68.0	9.8	62.7	.61	77.4	75.5	„	0.1					
10 „	.033	.318	80.8	73.0	7.8	69.5	.70	80.0	75.9	„	0·1					
11 „	.011	.476	84.2	69.0	15.2	60.6	.47	83.0	76.5	„	0·1	None.				
Noon.	29.978	.433	86.4	70.0	16.4	61.2	.45	84.2	77.1	„	0.2		+	2		3.10
1 p. m.	.942	.208	84.6	74.6	10.0	70.3	.63	82.2	77.5	NW	0·2		+	4		2.56
2 „	.923	.140	83.6	75.6	8.0	72.3	.70	82.0	77.7	NNW	0·3		+	12	10	0.40
3 „	.916	.135	83.0	75.4	7.6	72.2	.71	81.5	77.9	NW b N	0.2		+	12	10	1.25
4 „	.916	.133	82.2	75.2	7.0	72.3	.73	81.0	77.9	NNW	0·2		+	10	8	0·30
5 „	.932	.163	79.3	74.0	5.3	71.7	.78	79.0	77.9	NW b N	0.3		+	9	7	0.17
6 „	.951	.217	77.4	72.5	4.9	70.3	.80	77.4	77.5	NNW	0.4		+	6	5	0.32
7 „	.973	.199	76.8	73.4	3.4	71.9	.89	76.9	77.4	N b W	0.3		+	7	5	0.13
8 „	.991	.200	76.2	73.7	2.5	72.6	.89	76.3	77.2	NNW	0.3		+	9	7	0.18
9 „	30.008	.240	75.0	72.7	2.3	71.7	.90	75.2	77.1	„	0.1		+	16	14	0.40
10 „	.009	.292	74.0	71.0	3.0	69.6	.87	74.7	76.9	„	0·0		+	19	17	0.24
11 „	29.995	.336	73·0	69.0	4.0	67.0	.82	74.4	76.6	N b W	0.0		+	1		2.00
Jan. 10th-Midnight	.966	.296	72.0	69.0	3.0	67.5	.87	72.4	76.0	N	0.1		+	13	10	1.04
1 a. m.	.953	.312	71.6	68.0	3.6	66.1	.84	72.0	75.8	„	0.0		+	12	10	1.15
2 „	.945	.355	70.4	66.0	4.4	63.6	.80	71.0	75.5	„	0.0		+	10	8	0.36
3 „	.935	.306	69.8	67.0	2.8	65.5	.87	70.8	75.2	N b E	0.0		+	8	6	0.34
4 „	.933	.272	71.6	68.6	3.0	67.1	.87	71.8	75.2	NE	0.2					
5 „	.944	.347	72.6	67.0	5.6	64.0	.76	72.8	75.2	ENE	0.1					
6 „	.970	.344	71.8	67.6	4.2	65.4	.81	72.0	75·2	„	0.2		+	1		Above 10m.
7 „	.994	.399	72.0	66.7	5.3	63.9	.77	72.2	75.1	„	0.1					
8 „	30.023	.484	74.4	65.8	8.6	60.9	.64	74.0	75.2	NE b E	0.2					
9 „	.043	.453	76.3	68.0	8.3	63.6	.66	76.0	75.3	ENE	0.2					
10 „	.035	.456	78.5	68.4	10.1	63.0	.61	77.7	75.6	„	0.1					
11 „	.000	.472	80.4	67.5	12.9	60.3	.51	79·5	75.9	„	0·3					
Noon.	29.965	.476	85.4	68.0	17.4	58.0	.40	84.0	76.4	„	0.1					
1 p. m.	.930	.438	87.4	68.8	18.6	58.1	.39	85.6	77.5	NE b N	0.1	None.				
2 „	.910	.226	87.0	74.0	13.0	68.1	.55	83.5	77.8	NW	0.2					
3 „	.903	.159	84.0	74.7	9.3	70.7	.66	82.2	77.9	NW b N	0.3					
4 „	.907	.141	83.0	75.0	8.0	71.2	.70	81.5	78.0	„	0.3					
5 „	.914	.163	79.6	73.6	6.0	71.0	.76	79.1	78.1	NNW	0.8					
6 „	.915	.195	77.0	72.0	5.0	69.7	.79	77.2	77.8	„	0.8					
7 „	.940	.240	76.2	71.2	5.0	68.8	.79	76.6	77.5	„	0.5					
8 „	.954	.225	75.9	71.9	4.0	70.1	.83	76.2	77.4	„	0.6		+	4		0.25
9 „	.973	.231	75.0	72.0	3.0	70.6	.87	75.1	77.1	N	0.2		+	5	3	0.12
10 „	.962	.303	73.0	69.0	4.0	67.0	.82	73.2	76.7	„	0.0		+	8	5	1.05
11 „	.950	.294	71.8	68.5	3.3	66.8	.85	72.5	76.4	„	0·0		+	18	15	1.04
Jan. 11th-Midnight	.941	.291	71.4	68.2	3.2	66.7	.86	72.3	76.2	N	0·0		+	14	12	0.53
1 a. m.	.926	.281	70.8	67.8	3.0	66.3	.86	71.5	75.8	„	0.0		+	4		5.10
2 „	.918	.345	69.0	65.0	4.0	62.7	.82	70.0	75.5	„	0.0					
3 „	.910	.284	70.0	67.0	3.0	65.4	.86	71.0	75.3	NE b N	0.0					
4 „	.916	.301	71.0	67.0	4.0	64.9	.82	71.5	75.2	„	0·0	None.				
5 „	.926	.311	71.0	67.0	4.0	64.9	.82	71.4	75.2	NE	0.1					
6 „	.942	.348	70.6	66.2	4.4	63.8	.80	71.2	75.1	ENE	0.2					
7 „	.973	.390	70.4	65.8	4.6	63.3	.79	70.7	74.9	„	0.2					
8 „	30.002	.387	72.2	67.4	4.8	64.9	.79	72.2	74.9	„	0·3					
9 „	.031	.453	74.4	67.0	7.4	63.0	.69	74.0	75.0	„	0.2					
10 „	.028	.446	77.0	68.0	9.0	63.2	.64	76.0	75.3	„	0.1					
11 „	.009	.460	80.0	68.0	12.0	61.4	.55	78.6	75.7	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ∿⌣ nimbi.	
2	C	∿ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 81°0.
2	K	" "	
0	K	Clear.	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	Mist around hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°2 and 81°0.
0	K	"	
0	K	"	
0	K	Clear; dew falling.	
0	K	" "	
0	L	" "	
0	L	Clear.	
0	L	Mist in hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°1 and 81°0.
0	K	Clear; dew falling	
0	K	" "	
0	K	" "	
0	K	Clear.	
0	L	"	
0	L	Mist in hor.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 11th-Noon.	29.973	29.377	82°4	70°2	12°2	63°8	0.55	80°0	76°2	NW	0.0					
1 p. m.	.936	.319	83.0	71.0	12.0	65.0	.56	80.5	76.5	,,	0.0					
2 ,,	.927	.183	83.6	74.6	9.0	70.7	.66	81.5	77.0	,,	0.2					
3 ,,	.913	.208	83.0	73.4	9.6	69.0	.64	81.0	77.3	NW b W	0.2					
4 ,,	.908	.150	82.0	74.5	7.5	71.3	.71	80.5	77.5	,,	0.2					
5 ,,	.915	.150	79.6	74.0	5.6	71.6	.77	78.8	77.5	NW	0.4					
6 ,,	.926	.164	77.2	73.2	4.0	71.4	.83	77.1	77.3	NW b N	0.5					
7 ,,	.948	.194	76.2	72.7	3.5	71.1	.85	76.4	77.2	,,	0.1	None.	+	1		Above 10m.
8 ,,	.972	.227	75.4	72.2	3.2	70.7	.86	75.8	77.0	NNW	0.2		+	1		Above 10m.
9 ,,	.989	.279	74.0	70.8	3.2	69.3	.86	73.9	76.7	,,	0.0		+	6	4	0.37
10 ,,	.986	.407	71.4	66.0	5.4	63.0	.76	72.1	76.3	,,	0.0		+	1		Above 10m.
11 ,,	.968	.396	70.6	65.5	5.1	62.7	.77	71.8	76.0	,,	0.0		+	1		Above 10m.
Jan. 12th-Midnight	.950	.246	72.0	70.0	2.0	69.0	.91	72.6	76.2	NNW	0.0		+	5	3	Above 10m.
1 a. m.	.940	.263	71.4	69.0	2.4	67.8	.89	71.8	75.8	NE	0.0		+	6	4	Above 10m.
2 ,,	.937	.326	70.8	66.8	4.0	64.7	.82	71.5	75.5	,,	0.0		+			
3 ,,	.928	.311	70.8	67.0	3.8	65.0	.83	71.0	75.3	,,	0.2		+	4		Above 10m.
4 ,,	.933	.339	70.0	66.0	4.0	63.8	.82	70.5	75.2	,,	0.1					
5 ,,	.946	.369	68.6	65.0	3.6	62.9	.83	69.2	75.2	NE b E	0.1		+	7	5	2.30
6 ,,	.956	.349	69.4	66.2	3.2	64.5	.85	70.0	75.1	,,	0.1		+	1		Above 10m.
7 ,,	.983	.387	69.8	66.0	3.8	63.9	.83	70.3	74.9	,,	0.1		+	4	3	1.00
8 ,,	30.003	.359	72.3	68.3	4.0	66.3	.82	72.2	74.9	,,	0.2		+	5	4	1.20
9 ,,	.625	.428	73.6	67.3	6.3	64.0	.73	73.0	75.0	ENE	0.2		+	2		1.35
10 ,,	.020	.413	75.7	68.3	7.4	64.5	.70	74.9	75.3	,,	0.1					
11 ,,	29.997	.415	77.0	68.0	9.0	63.2	.64	76.0	75.7	,,	0.0					
Noon.	.970	.299	81.2	71.9	9.3	67.7	.64	79.0	76 2	NW b N	0.4	None.	+	5	4	3.25
1 p. m.	.935	.222	81.0	73.0	8.0	69.4	.69	79.2	76.5	,,	0.1					
2 ,,	.905	.233	81.4	72.0	9.4	67.6	.64	79.5	77.0	NW	0.1					
3 ,,	.900	.272	82.0	71.0	11.0	65.5	.59	80.0	77.3	,,	0.2					
4 ,,	.900	.156	81.6	74.0	7.6	70.7	.71	80.0	77.5	,,	0.1					
5 ,,	.900	.165	79.0	73.0	6.0	70.3	.76	78.4	77.5	,,	0.2					
6 ,,	.910	.120	77.4	74.0	3.4	72.6	.86	76.8	77.3	,,	0.3		+	4	3	1.30
7 ,,	.935	.164	76.1	73.1	3.0	71.8	.87	76.2	77.2	NW b N	0.3		+	4	3	1·00
8 ,,	.964	.184	75.2	72.8	2.4	71.8	.90	75.5	77.0	NNW	0.2		+	5	4	1.00
9 ,,	.969	.216	74.4	72.1	2.3	71.1	.90	74.8	76.7	,,	0.1		+	5	4	1.17
10 ,,	.969	.241	73.0	71.0	2.0	7.00	.91	73.4	76.3	,,	0.0		+	7	5	0.33
11 ,,	.972	.269	71.4	69.8	1.6	69.0	.93	71.8	76.0	,,	0.0		+	4	3	0.37
Jan. 13th-Midnight	.961	.332	70.6	67.0	3.6	65.5	.84	71.1	75.7	NNW	0.0					
1 a. m.	.942	.373	69.4	65.0	4.4	62.5	.80	70.0	75.3	NW b N	0.0					
2 ,,	.928	.369	68.6	64.4	4.2	62.0	.81	69.5	74.8	,,	0.1					
3 ,,	.924	.261	70.2	68.2	2.0	67.2	.91	70.8	74.7	,,	0.0					
4 ,,	.928	.341	69.2	65.5	3.7	63.4	.83	69.8	74.5	N b E	0.1					
5 ,,	.938	.327	69.6	66.4	3.2	64.7	.85	70.3	74.5	,,	0.1					
6 ,,	.945	.355	68.6	65.4	3.2	63.6	.85	69.5	74.3	ENE	0.1					
7 ,,	.972	.384	69.4	65.6	3.8	63.5	.83	70.0	74.1	,,	0.1					
8 ,,	.999	.387	71.8	67.2	4.6	64.7	.80	71·5	74.2	,,	0.2					
9 ,,	30.016	.415	73.4	67.4	6.0	64.2	.74	73.0	74.3	,,	0.2					
10 ,,	.011	.411	75.4	68.0	7.4	64.1	.65	74.6	74.5	,,	0.0		+	7	5	Above 10m.
11 ,,	29.987	.383	78.0	69.0	9.0	64.3	.64	76.6	75.0	NNW	0.1	None.	+	2		Above 10m.
Noon.	.967	.384	80.0	69.0	11.0	63.2	.58	77.7	75.4	NW b N	0·2					
1 p. m.	.935	.338	80.2	69 5	10.7	63.9	.59	79.0	75.7	NW	0.1					
2 ,,	.917	.295	81.0	70.5	10.5	65.2	.60	79.5	76.0	,,	0.1					
3 ,,	.911	.240	81.5	72.0	9.5	67.6	.64	79.8	76.2	,,	0.7					
4 ,,	.904	.193	81.2	73.0	8.2	69.3	.68	79·5	76.5	,,	0.8					
5 ,,	.906	.196	78.6	72.2	6.4	69.3	.74	77.6	76.7	,,	0.5					
6 ,,	.915	.178	76.8	72.4	4.4	70.4	.82	76.4	76.5	NW b N	0.8					
7 ,,	.936	.159	75.8	73.2	2.6	72.0	.90	75.9	76.4	,,	0.4					
8 ,,	.952	.140	75.4	74.0	1.4	73.4	.94	75.6	76.4	,,	0·6					
9 ,,	.971	.165	74.6	73.6	1.0	73.2	.96	74.6	76.1	NNW	0.4					
10 ,,	.972	.240	72.6	71.0	1.6	70.2	.93	72.5	76.0	N b W	0.0					
11 ,,	.963	.231	71.7	70.7	1.0	70.2	.95	72.0	75.6	N	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ∿∿ cirro-cumuli ; ⌒ cumuli ; ⌣ cirro-strati ; ⌒⌣ cumulo-strati ; and ∿∿ nimbi.	
0	C	Clear.	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 81°0.
0	K	Clear ; dew falling.	
0	K	,, ,,	
0	K	Clear.	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	Mist in hor	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	Clear ; dew falling.	
0	C	,, ,,	
0	C	,, ,,	
0	C	Clear ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°8.
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	Mist in hor.	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	
0	K	,,	
0	K	,,	
0	G	,,	
0	G	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	Clear ; dew falling.	
0	C	,, ,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 14th-Midnight	29.954	29.282	70°6	68°6	2°0	67°6	0.91	71°0	75°5	N	0·0					
1 a. m.	.938	.288	69.6	67.6	2.0	66.6	.91	70.8	75.0	„	0·0					
2 „	.930	.289	68.6	67.0	1.6	66.1	.92	70.0	74.8	„	0.0					
3 „	.920	.280	67.6	66.6	1.0	66.1	.95	69.2	74.5	„	0.0					
4 „	.917	.252	68.2	67.6	0.6	67.2	.97	69.6	74.3	„	0.1					
5 „	.916	.233	67.8	68.0	0.2	68.1	1.01	68.5	74.2	„	0.1					
6 „	.926	.256	67.8	67.6	0.2	67.5	0.99	68.5	74.0	N b W	0.1					
7 „	.950	.366	67.4	64.8	2.6	63.3	.88	68.3	73.8	N b E	0.3					
8 „	.969	.349	70.0	66.8	3.2	65.1	.86	70.3	73.8	NE b E	0·2					
9 „	.996	.422	71.8	66.0	5.8	62.8	.75	71.7	73.9	„	0.1					
10 „	.995	.410	73.7	67.0	6.7	63.3	.72	73.5	74.0	ENE	0.1					
11 „	.981	.399	77.0	68.0	9.0	63.2	.64	76.0	74.5	„	0.1	None.				
Noon.	.953	.323	80.0	70.4	9.6	65.6	.63	78.0	75.0	„	0.1					
1 p. m.	.917	.308	80.6	70.0	10.6	64.6	.60	78.6	75.4	WNW	0·2					
2 „	.899	.186	81.0	73.0	8.0	69.4	.69	79.0	75.6	NW b W	0.2					
3 „	.888	.145	81.6	74.0	7.6	70.7	.71	79.8	76.0	WNW	0·3					
4 „	.890	.140	81.0	74.0	7.0	71.6	.73	79.0	76.3	NW b W	0·2					
5 „	.893	.140	79.0	73.5	5.5	71.1	.78	73.0	76.4	NW	0·2					
6 „	.901	.121	77.0	73.6	3.4	72.2	.86	76.9	76.4	„	0.2					
7 „	.923	.155	76.0	73.0	3.0	71.7	.87	76.2	76.3	NW b N	0.0		+	2		2.00
8 „	.945	.169	75.3	73.0	2.3	72.0	.90	75.5	76.3	„	0.2					
9 „	.969	.226	74.0	71.7	2.3	70.7	.90	73.6	76.0	NNW	0.1		+	2		3.30
10 „	.972	.247	72.6	70.8	1.8	69.9	.92	73.0	75.7	„	0.0		+	4		2.14
11 „	.964	.317	71.4	68.1	3.3	66.4	.85	72.0	75.5	„	0.0		+	7	5	0.50
Jan. 15th-Midnight	.955	.236	70.6	70.0	0.6	69.7	.97	71.8	75.2	NNW	0.0		+	11	10	0.40
1 a. m.	.944	.278	69.4	68.0	1.4	67.3	.93	70.7	75.0	„	0.0		+	4	3	2.04
2 „	.934	.264	69.0	68.0	1.0	67.5	.95	70.0	74.7	„	0.0		+	2		Above 10m.
3 „	.927	.268	68.5	67.5	1.0	67.0	.95	70.0	74.5	„	0.0		+	2		Above 10m.
4 „	.921	.232	68.8	68.5	0.3	68.3	.99	70.0	74.3	„	0.0					
5 „	.925	.266	70.0	68.0	2.0	67.0	.91	70.3	74.1	„	0.1					
6 „	.943	.323	68.8	66.4	2.4	65.1	.89	69.4	74.1	„	0.1					
7 „	.968	.346	68.0	66.2	1.8	65.2	.91	69.3	74.0	NW b N	0.1		+	5	4	0.40
8 „	.994	.398	71.6	66.6	5.0	63.9	.78	71.9	74.1	N	0.3		+	4	3	1.30
9 „	30.024	.376	74.0	69.0	5.0	66.5	.78	73.4	74.3	NNE	0.1					
10 „	.019	.382	75.0	69.0	6.0	65.9	.75	74.1	74.5	NE	0.1		+	8	6	3.00
11 „	.002	.398	76.8	68.6	8.2	64.3	.67	75.9	74.6	„	0.1	None.				
Noon.	29.967	.346	79.5	70.0	9.5	65.2	.63	78.0	75.2	„	0.1					
1 p. m.	.942	.273	80.0	71.5	8.5	67.4	.67	78.4	75.5	NNW	0.4					
2 „	.926	.206	80.4	73.0	7.4	69.7	.71	78.8	75.8	„	0.3					
3 „	.918	.178	80.2	73.5	6.7	70.5	.74	78.9	76.0	„	0.5					
4 „	.917	.193	80.0	73.0	7.0	69.9	.72	78.7	76.4	N b W	0.4					
5 „	.929	.208	77.6	72.2	5.4	69.7	.78	77.0	76.4	„	0.6					
6 „	.935	.211	76.0	71.8	4.2	69.9	.82	75.9	76.2	N	1.0					
7 „	.951	.207	75.5	72.2	3.3	70.7	.86	75.5	76.1	„	0.8		+	3		1.30
8 „	.983	.241	75.0	72.0	3.0	70.6	.87	75.1	76.0	„	0.8		+	1		Above 10m.
9 „	.994	.240	74.6	72.2	2.4	71.1	.90	74.7	76.0	N b E	0.2					
10 „	30.001	.271	72.8	71.0	1.8	70.1	.92	73.0	75.8	„	0·1		+	4		1.00
11 „	29.992	.288	72.0	70.0	2.0	69.0	.91	72.5	75.6	NE b N	0.1		+	4		0.50
Jan. 17th-Midnight	30.000	.341	73.0	69.0	4.0	67.0	.82	72.8	75.4	NW b N	0.0		+	9	7	0.54
1 a. m.	29.983	.375	71.6	67.0	4.6	64.5	.80	72.1	75.1	„	0.0					
2 „	.967	.314	72.0	68.5	3.5	66.7	.84	72.2	75.0	„	0.0		+	13	10	3.20
3 „	.955	.392	71.0	65.4	5.6	62.2	.75	71.0	75.0	„	0.0					
4 „	.947	.347	70.6	66.4	4.2	64.1	.81	71.0	74.7	NNW	0·0					
5 „	.951	.385	69.6	65.0	4.6	62.3	.79	70.4	74.6	N	0.1	None.				
6 „	.965	.440	69.4	63.6	5.8	60.1	.74	70.1	74.4	NNE	0.1		+	2		Above 10m.
7 „	.999	.421	70.0	65.5	4.5	63.0	.80	70.3	74.1	NE b E	0·1		+	15		0.25
8 „	30.021	.399	72.8	67.8	5.0	65.2	.78	73.1	74.3	„	0.1		+	1		Above 10m.
9 „	.047	.433	77.1	69.0	8.1	64.8	.67	76.0	74.5	NE	0.1					
10 „	.045	.422	78.4	69.7	8.7	65.3	.65	77.5	75.1	N	0.1					
11 „	.027	.474	79.6	68.0	11.6	61.6	.56	78.1	75.4	NNW	0·1					

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°8.
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	L	Gauze-like mist throughout.	
0	L	Mist in hor.	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	Clear; dew falling.	
0	C	,,	
0	C	,,	
0	C	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°8.
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	L	,, ,,	
0	L	Mist in hor.	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°8. The height of barometer at 9 A. M. (30.047in.) was greatest, and about 0.040in. greater than the normal mean.
1	C	≀ scattered here and there.	
2	K	,,	
2	K	,,	
3	K	,,	
0	L	Clear, except in hor.	
3	L	Light ≀ scattered about; mist in hor.	
4	L	,, ,,	
2	L	,, ,,	
2	C	,, ,,	
1	C	,, ,,	
0	C	Clear.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 17th–Noon.	29.992	29.373	82°2	70°8	11°4	65°1	0.58	80.0	75°8	NNW	0.1					
1 p. m.	.956	.261	84.6	73.6	11.0	68.6	.60	82.6	76.4	WNW	0.1					
2 „	.931	.224	83.6	73.6	10.0	69.1	.63	81°5	76·7	„	0.1					
3 „	.911	.207	83.5	73.5	10.0	69.0	.63	81.2	77.0	NW	0.3					
4 „	.903	.205	82.4	73.0	9.4	68.7	.64	80.6	77.2	„	0.5					
5 „	.910	.138	80.4	74.4	6.0	71.8	.76	79.4	77.3	NW b N	0.5	None.				
6 „	.919	.160	77.8	73.2	4.6	71.3	.81	77.7	77.2	NNW	0.3					
7 „	.942	.192	77.0	72.8	4.2	71.0	.82	77.1	76.9	„	1.0		+	8	6	0.50
8 „	.953	.231	76.2	71.8	4.4	69.8	.81	76.5	76.9	„	0.5					
9 „	.967	.275	75.4	70.8	4.6	68.6	.80	75.5	76.7	N	0.0					
10 „	.977	.382	72.8	67.0	5.8	63.9	.75	73.6	76.3	NNE	0.0					
11 „	.970	.359	73.0	67.5	5.5	64.7	.76	73.5	75.9	N	0.0					
Jan. 18th–Midnight	.952	.293	71.5	68.5	3.0	67.0	.87	72.4	75.7	N	0.0					
1 a. m.	.938	.205	73.2	71.2	2.0	70.2	.91	73.2	75.7	ENE	0.2					
2 „	.922	.235	72.0	69.5	2.5	68.2	.89	72.4	75.6	„	0.0					
3 „	.909	.203	70.6	69.6	1.0	69.1	.95	71.6	75.4	„	0·0					
4 „	.917	.247	70.8	68.6	2.2	67.5	.90	71.0	75.1	„	0.2					
5 „	.932	.293	70.0	67.4	2.6	66.0	.88	70.7	75.0	NE	0.1					
6 „	.956	.388	67.8	64.4	3.4	62.5	.84	69.1	74.7	„	0.1					
7 „	.988	.414	67.8	64.6	3.2	62.8	.85	69.2	74.4	„	0.1					
8 „	30.009	.302	73.0	70.4	2.6	69.1	.88	73.1	74.5	„	0.1					
9 „	.042	.371	75.0	70.0	5.0	67.5	.79	74.3	74.8	„	0.1					
10 „	.034	.357	76.3	70.6	5.7	67.8	.76	75.6	75.1	„	0.1		+	1		Above 10m.
11 „	.089	.397	77.3	69.0	8.3	64.7	.67	76.4	75.3	NE b E	0.0	None.	+	1		Above 10m.
Noon.	29·978	.342	80.4	70.7	9.7	65.9	.63	78.4	75.6	„	0.0					
1 p. m.	.943	.357	82.6	70.0	12.6	63.4	.54	80.6	76.2	NW	0.1					
2 „	.919	.223	83.2	73.2	10.0	68.6	.63	80.8	76.5	„	0.2					
3 „	.901	.173	83.0	74.0	9.0	70.0	.66	81.0	76.8	„	0.4					
4 „	.892	.165	82.4	73.8	8.6	70.0	.67	80.8	77.0	„	0.2					
5 „	.892	.171	79.6	72.8	6.8	69.7	.73	78.7	77.2	NNW	0.5					
6 „	.900	.154	77.3	72.8	4.5	70.8	.81	77.0	77.0	NW b N	0.4					
7 „	.921	.172	76.4	72.6	3.8	70.9	.84	76.4	76.8	N b W	0.3		+	1		
8 „	.935	.199	75.5	72.0	3.5	70.4	.85	75.8	76.7	„	0.2					
9 „	.944	.224	73.7	71.0	2.7	69.7	.88	73.9	76.3	„	0.0		+	Out of Sc.	25	0.17
10 „	.940	.379	71.6	65.5	6.1	62.1	.73	72.4	75.9	N	0.0		+	2		Above 10m.
11 „	.932	.363	71.0	65.5	5.5	62.4	.78	72.0	75.6	„	0.0		+	2		Above 10m.
Jan. 19th–Midnight	.931	.398	70.2	64.5	5.7	60.5	.74	71.0	75.3	N	0.0		+	7	5	3.20
1 a. m.	.915	.338	70.4	65 6	4.8	62.9	.78	71.4	75.2	„	0.2		+	4		2.20
2 „	.913	.309	72.0	67.0	5.0	64.3	.78	72.0	75.1	„	0.2					
3 „	.902	.254	71.0	68.0	3.0	66.5	.86	71.6	74.9	„	0.2					
4 „	.900	.285	71.0	67.0	4.0	64.9	.82	71.0	74.8	„	0.3					
5 „	.903	.315	70.0	65.8	4.2	63.5	.81	70.3	74.6	„	0.2					
6 „	.917	.332	67.0	65.4	3.6	63.3	.83	69.6	74.4	„	0.2		+	4		0.40
7 „	.951	.367	68.6	65.2	3.4	63.3	.84	69.4	74.2	N b E	0.1		+	12	10	0.25
8 „	.964	.329	72.2	68.0	4.2	65.8	.82	72.2	74.3	NNE	0.0		+	10	8	Above 10m.
9 „	.985	.403	74.0	67.0	7.0	63.2	.70	73.9	74.5	„	0.1		+	9	8	3.10
10 „	.983	.397	76.6	68.0	8.6	63.4	.65	75.9	74.9	N b E	0.1		+	4		Above 10m.
11 „	.958	.341	78.7	69.6	9.1	65.0	.64	77.5	75.2	NNW	0.1		+	2		Above 10m.
Noon.	.931	.232	80.2	72.4	7.8	68.8	.69	78.9	75.5	„	0.1	None.	+	7		Above 10m.
1 p. m.	.895	.184	81.2	73.0	8.2	69.3	.68	79.4	75.9	NW b N	0.4		+	2		1.20
2 „	.872	.102	80.6	74.4	6.2	71.8	.76	79.2	76.2	NNW	0.8		+	3		1.23
3 „	.856	.084	80.4	74.4	6.0	71.0	.76	79.4	76.4	„	0.8		+	3		1.20
4 „	.853	.094	80.2	74.0	6.2	71.3	.75	79.0	76.6	„	0.4		+	4		5.20
5 „	.861	.127	77.8	72.6	5.2	70.3	.79	77.2	76.7	„	1.0					
6 „	.864	.121	75.6	72.2	3.4	70.7	.85	75.5	76.5	„	0.8					
7 „	.877	.133	74.8	72.0	2.8	70.7	.88	74.9	76.5	„	0.8					
8 „	.890	.144	74.6	72.0	2.6	70.8	.89	74.7	76.3	„	0.8					
9 „	.891	.142	74.4	72.0	2.4	70.9	.89	74.4	76.0	„	0.5					
10 „	.898	.205	73.0	70.0	3.0	68.5	.88	72.9	75.9	„	0.3					
11 „	.899	.208	72.0	69.6	2.4	68.4	.89	72.5	75.5	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	A few ≀ in E and SE; otherwise clear.	
0	L	" "	
0	L	" "	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°7.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	L	A few ≀ along E hor.; mist in hor.	
0	L	"	
0	L	A few ≀ in N, E, and SE hor.; mist in hor.	
0	L	Mist in hor.	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°6.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	Mist in hor.	
0	L	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 20th-Midnight	29.895	29.237	71°6	68°5	3°1	66°9	0.86	72°0	75°4	N b W	0.0					
1 a. m.	.882	.253	70·8	67.2	3.6	65.5	.84	71.0	75.2	„	0.2					
2 „	.874	.265	69·8	66.4	3.4	64.6	.85	69.8	74.8	„	0.2					
3 „	.865	.286	69.0	65.2	3.8	63.0	.83	69.5	74.5	N	0.2					
4 „	.867	.272	68.5	65.5	3.0	63.9	.86	69.0	74.3	„	0.0					
5 „	.866	.282	68.0	65.0	3.0	63.3	.86	69.0	74.1	„	0.0					
6 „	.890	.322	66.6	64.0	2.6	62.5	.89	68.2	73.8	„	0.0					
7 „	.924	.358	66.8	64.0	2.8	62.3	.87	68.0	73.5	„	0.1					
8 „	.952	.374	70.0	65.5	4.5	63.0	.80	70.1	73.5	„	0.0					
9 „	.967	.358	74.0	67.8	6.2	64.6	.74	73.2	73.8	„	0.0					
10 „	.957	.383	77.2	67.8	9.4	62.8	.63	76.0	74.4	NNE	0.2					
11 „	.937	.277	79.8	71.2	8.6	67.0	.66	77.8	75.0	„	0.1	None.			None.	
Noon.	.904	.205	80.2	72.4	7.8	68.8	.69	78.6	75.4	NW	0.2					
1 p. m.	.873	.159	81.3	73.1	8.2	69.4	.68	79.5	75.7	NW b N	0.4					
2 „	.863	.120	81.6	74.0	7.6	70.7	.71	79.7	76.0	„	0.5					
3 „	.854	.110	81.5	74.0	7.5	70.7	.71	79.7	76.3	„	0.8					
4 „	.851	.074	80.6	74.6	6.0	72.0	.76	79.9	76.5	NNW	1.3					
5 „	.862	.119	78.3	73.0	5.3	70.7	.78	77.6	76.6	„	0.8					
6 „	.865	.097	76.0	73.0	3.0	71.7	.87	75.9	76.5	„	0.6					
7 „	.894	.190	75.2	71.0	4.2	69.0	.82	75.1	76.1	„	1.4					
8 „	.918	.200	75.2	71.4	3.8	69.6	.84	75.0	76.0	N b W	0.8					
9 „	.926	.244	74.0	70.0	4.0	68.0	.83	74.0	75.9	„	0.0					
10 „	.930	.237	73.0	70.0	3.0	68.5	.87	73.2	75.8	N	0.0					
11 „	.921	.195	73.2	71.0	2.2	69.9	.90	73.8	75.8	N b W	0.0		+	4		Above 10m.
Jan. 21st-Midnight	.911	.195	72·8	70.6	2.2	69.5	.90	73.3	75.6	N b W	0.0		+	5		Not obsd.
1 a. m.	.913	.236	71.4	69.0	2.4	67.8	.89	72.0	75.3	„	0.0		+	11	10	Not obsd.
2 „	.909	.190	70.6	70.0	0.6	69.7	.97	71.5	75.0	„	0.0		+	19	17	0.35
3 „	.901	.193	71.6	70.0	1.6	69.2	.93	72.0	75.0	NE b N	0.0		+	10	8	1.25
4 „	.903	.192	72.0	70.2	1.8	69.3	.92	72.0	75.0	NE	0.2		+	8	6	1.10
5 „	.898	.208	71.8	69.5	2.3	68.4	.90	71.8	74.8	„	0.7		+	4		1.00
6 „	.916	.219	71.4	69.6	1.8	68.9	.92	71.6	74.7	„	0.6		+	10	8	0.40
7 „	.945	.241	72.0	70.0	2.0	69.9	.91	72.2	74.8	NE b E	0.8		+	5		0.40
8 „	.962	.305	74.4	69.4	5.0	66.9	.79	74.2	75.0	ENE	0.5		+	3		1.30
9 „	.980	.303	77.6	71.0	6.6	67.8	.73	76.8	75.2	„	0.4					
10 „	.976	.352	79.3	70.0	9.3	65.3	.64	78.5	75.6	NE b E	0·3					
11 „	.957	.270	82.7	72.8	9.9	68.2	.63	81.4	76.1	NE	0.1	None.				
Noon.	.925	.341	86.0	71.0	15.0	63.3	.48	84.0	76.8	NE b E	0.1					
1 p. m.	.894	.282	88.0	72.4	15.6	64.7	.48	85.4	77.4	„	0.0					
2 „	.871	.333	90.2	71.0	19.2	60.8	.39	87.0	78.0	„	0.0					
3 „	.862	.358	91.0	70.3	20.7	58.9	.36	87.0	78.5	„	0.1					
4 „	.851	.055	87.4	77.0	10.4	72.8	.63	85.2	78.7	NW	0.5					
5 „	.855	.041	83.6	76.4	7.2	73.5	.73	82.4	78.8	„	0.6					
6 „	.868	.107	80.0	74.0	6.0	71.4	.76	79.8	78.6	NW b N	0.5					
7 „	.891	.112	78.4	74.0	4.4	72.1	.82	78.3	78.3	„	1.0					
8 „	.902	.147	77.4	73.4	4.0	71.2	.83	77.6	78.1	„	0.6					
9 „	.916	.142	76.8	73.4	3.4	71.9	.86	76.8	78.0	„	0.3					
10 „	.917	.142	75.4	73.0	2.4	72.0	.90	75.6	77.6	NNW	0·0					
11 „	.908	.191	74.0	71.0	3.0	69.6	.87	74.3	77.5	„	0.0					
Jan. 22nd-Midnight	.906	.178	73.0	71.0	2.0	70.0	.91	74.0	77.0	N b W	0.0				•	
1 a. m.	.906	.178	73.0	71.0	2.0	70.0	.91	73.6	76.7	N b E	0.0					
2 „	.898	.224	73.2	69.5	3.7	67.7	.84	73.8	76.6	NNE	0.0					
3 „	.898	.206	73.7	70.2	3.5	68.5	.85	74.1	76.4	NE b N	0.2					
4 „	.906	.203	74.0	70.6	3.4	69.0	.85	74.0	76.3	„	0.1					
5 „	.908	.193	74.2	71.0	3.2	69.5	.86	74.4	76.3	NE	0.2	None.	None.	None.	None.	None.
6 „	.926	.253	74.2	69.8	4.4	67.6	.81	74.3	76.3	„	0.3					
7 „	.956	.291	74.3	69.6	4.7	67.2	.80	74.3	76.2	„	0.4					
8 „	.979	.380	76.6	68.4	8.2	64.1	.67	76.4	76.3	NE b E	0.4					
9 „	.995	.367	79.6	70.2	9.4	65.5	.64	78.6	76.5	„	0.4					
10 „	.988	.286	83.0	73.3	9.7	68.9	.64	81.3	77.0	„	0.4			•		
11 „	.964	.207	86.0	75.6	10.4	71.2	.63	84.0	77.8	ESE	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪∪ nimbi.	Remarks.
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°6.
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	C	Mist in hor.	
0	C	,,	
0	K	,,	
0	K	,,	
0	L	Clear.	
0	L	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°6. The greatest temperature of external and free air occurred on the 21st at about 3 P. M., and it was about 9°2 greater than the normal mean for that hour.
0	C	,, ,,	
0	C	,, ,,	
0	K	,, ,,	
0	K	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	Mist in hor.	
0	L	,,	
0	C	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	K	,,	
0	K	Clear; dew falling.	
0	K	,, ,,	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 80°8.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	L	Clear.	
0	L	A few ≀ in E hor.	
0	L	A few ≀ in E hor.; mist around hor.	
0	L	,, ,,	
1	K	≀ scattered about hor. from E to S; mist in hor.	
1	K	,, ,, ,,	
1	K	,, ,, ,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 22nd–Noon	29.928	29.222	86°4	74°4	12°0	69°1	0.58	84°5	78°4	ESE	0.4					
1 p.m.	.887	.201	86.8	74.0	12.8	68.2	.56	84.8	78.6	„	0.2					
2 „	.865	.328	88.4	70.4	18.0	60.8	.41	86.8	79.0	„	0·0					
3 „	.849	.080	87.3	76.3	11.0	71.7	.61	84.7	79.3	W b N	0.1					
4 „	.849	.047	85.4	76.6	8.8	73.0	.68	83.1	79.5	NW b W	0.3					
5 „	.857	.061	82.0	75.5	6.5	72.8	.75	82.0	79.4	NW	0.3	None.	None.	None.	None.	None.
6 „	.872	.145	78.0	72.5	5.5	70.0	.77	78.0	79.0	NNW	0.5					
7 „	.889	.152	76.0	72.4	4.4	70.4	.82	78.0	78.5	„	0.5					
8 „	.909	.182	76.4	72.0	4.4	70.0	.82	76.4	78.4	NW b N	0.6					
9 „	.919	.174	76.0	72.4	3.6	70.7	.85	76.0	78.2	„	0.4					
10 „	.910	.172	75.4	72.0	3.4	70.5	.85	75.8	78.0	NNW	0.4					
11 „	.908	.184	75.0	71.5	3.5	69.9	.85	75.2	77.8	„	0.2					
Jan. 24th-Midnight	.898	.462	73.2	62.0	11.2	54.5	.53	73.5	76.5	NNE	0.0					
1 a.m.	.868	.165	74.0	70.6	3.4	69.0	.85	73.8	76.4	NE b N	0.0					
2 „	.856	.165	73.8	70.2	3.6	68.4	.84	73.8	76.4	ENE	0.0					
3 „	.843	.172	72.6	69.2	3.4	67.5	.85	72.6	76.0	„	0.0					
4 „	.847	.159	72.8	69.8	3.0	68.3	.87	73.0	76.0	„	0.0					
5 „	.861	.173	71.6	68.8	2.8	68.3	.87	72.0	76.0	„	0.0					
6 „	.886	.228	71.0	68.3	2.7	66.9	.88	71.9	76.0	„	0.0					
7 „	.912	.312	71.2	66.6	4.6	64.1	.79	71.9	76.0	„	0.1					
8 „	.938	.310	72.8	68.0	4.8	65.5	.79	72.7	75.9	„	0.1					
9 „	.950	.348	75.2	68.0	7.2	64.2	.70	74.8	75.5	„	0.1					
10 „	.950	.322	77.0	69.4	7.6	65.5	.69	76.4	75.8	„	0.2					
11 „	.929	.323	79.0	69.4	9.6	64.4	.64	77.6	76.2	„	0.1	None.	None.	None.	None.	None.
Noon.	.903	.400	81.7	67.2	14.5	58.8	.48	79.7	76.5	„	0.0					
1 p. m.	.869	.245	84.0	71.5	12.5	65.3	.55	81.2	77.0	W b N	0.2					
2 „	.856	.232	84.0	71.5	12.5	65.3	.55	81.5	77.3	„	0.2					
3 „	.842	.138	84.2	73.7	10.5	69.0	.62	82.0	77.6	WNW	0·1					
4 „	.843	.144	83.6	73.4	10.2	68.8	.62	82.0	77.9	„	0.3					
5 „	.852	.141	81.2	73.0	8.2	69.3	.68	80.0	78.0	„	0.2					
6 „	.873	.129	78.2	73.0	5.2	70.7	.79	77.5	77.6	NW	0.5					
7 „	.899	.144	77.2	73.0	4.2	71.2	.82	76.8	77.5	„	0.3					
8 „	.928	.167	76.6	73.0	3.6	71.4	.85	76.5	77.5	NW b N	0.2					
9 „	.944	.208	75.5	72.0	3.5	70.4	.85	76.0	77.3	„	0.0					
10 „	.947	.226	73.6	71.0	2.6	69.7	.89	74.4	77.0	„	0.0					
11 „	.942	.216	73.2	71.0	2.2	69.9	.90	74.0	76.8	„	0.0					
Jan. 25th-Midnight	.938	.210	73.0	71.0	2.0	70.0	.91	73.8	76.7	NW b N	0.0					
1 a.m.	.927	.178	72.4	71.4	1.0	70.9	.95	73.4	76.5	„	0.0					
2 „	.918	.174	72.2	71.2	1.0	70.7	.95	72.8	76.4	NNW	0.0					
3 „	.915	.181	71.8	70.8	1.0	70.3	.95	72.4	76.3	„	0.0					
4 „	.917	.267	70.8	68.0	2.8	66.6	.87	71.5	76.0	„	0·0					
5 „	.931	.267	70.8	68.4	2.4	67.2	.89	71.7	75.7	„	0·0					
6 „	.957	.298	70.0	68.0	2.0	67.0	.91	70.4	75.5	„	0.0					
7 „	.983	.359	69.6	66.8	2.8	65.3	.87	70.0	75.3	N	0.1					
8 „	30.000	.352	71.6	68.2	3.4	66.5	.85	72.0	75.2	„	0.1					
9 „	.011	.345	74.5	69.7	4.8	67.3	.79	74.4	75.4	„	0·1					
10 „	29.998	.332	77.7	70.7	7.0	67.3	.72	76.7	75.8	„	0.2					
11 „	.969	.326	78.5	70.3	8.2	66.2	.68	77.4	76.0	ENE	0.1	None.	None.	None.	None.	None.
Noon.	.932	.241	79.6	72.0	7.6	68.4	.70	78.5	76.3	N	0.5					
1 p. m.	.885	.229	80.2	71.2	9.0	66.8	.65	78.8	76.5	NNW	0.5					
2 „	.857	.170	80.0	72.0	8.0	68.2	.69	78.6	76.8	„	1.2					
3 „	.849	.138	79.5	72.5	7.0	69.3	.72	78.4	76.9	„	1.5					
4 „	.847	.117	78.8	72.8	6.0	70.1	.76	78.8	77.0	„	1.3					
5 „	.866	.148	77.2	72.0	5.2	69.6	.78	76.8	77.0	„	1.5					
6 „	.875	.147	75.0	71.6	3.4	70.0	.85	75.0	76.6	„	1.5					
7 „	.890	.166	74.3	71.3	3.0	69.9	.87	74.5	76.5	„	1.5					
8 „	.909	.187	74.2	71.2	3.0	69.8	.87	74.4	76.4	N b W	1.0					
9 „	.932	.233	73.8	70.4	3.4	68.8	.85	74.0	76.2	NNW	1.2					
10 „	.928	.235	73.0	70.0	3.0	68.5	.87	73.4	76.1	„	0.4					
11 „	.912	.264	71.0	68.0	3.0	66.5	.86	71.4	75.8	N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ⌒≀ nimbi.	
1	K	≀ scattered about hor. from E to S; mist in hor.	
1	C	≀ scattered above E, SE, and S hor.	
0	C	A few ≀ above E hor.	
0	C	"	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
6	C	≀ scattered throughout, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°8.
6	K	" "	
4	K	≀ scattered about hor.; dew falling.	
3	K	≀ scattered about; dew falling.	
3	K	" "	
3	L	≀ scattered about; a lunar-halo; dew falling.	
3	L	≀ scattered about; dew falling.	
3	L	≀ scattered about; mist around hor.	
2	B	≀ scattered about hor.; mist in hor.	
2	C	≀ scattered here and there; mist in hor.	
1	C	≀ scattered about hor.; mist in hor.	
1	C	" "	
1	C	" "	
1	K	" "	
1	K	" "	
1	K	≀ scattered around hor.	
0	K	A few ≀ above SE hor.	
0	N	A few ≀ above E hor.; mist in hor.	
0	N	Mist around hor.	
0	N	Clear.	
0	N	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°7.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	N	" "	
0	N	" "	
0	N	Thick mist around hor.	
0	N	"	
1	C	≀ scattered along W hor.; mist around hor.	
2	C	≀ scattered from SW to N hor.; mist in hor.	
2	C	≀ scattered around hor., except in SE, S, and SW.	
1	C	≀ scattered around hor. and in W.	
1	K	≀ scattered here and there.	
0	K	"	
0	K	"	
0	K	"	
5	N	≀ scattered about, except in zth.	
4	N	" "	
1	N	≀ scattered here and there.	
0	N	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 26th-Midnight	29.897	29.280	70°8	67°0	3°8	65°0	0.83	71°2	75°5	N	0.3					
1 a. m.	.884	.290	70.0	66.0	4.0	63.8	.82	70.2	75.3	„	0·2					
2 „	.852	.222	69.6	67.0	2.6	65.6	.88	70.0	75.0	„	0·2					
3 „	842	.178	71.0	68.5	2.5	67.2	.89	71.5	75.0	„	0.2					
4 „	.838	.237	69.4	66.0	3.4	64.2	.84	69.4	74.8	N b E	0.2					
5 „	.844	.293	68.2	64.0	4.2	61.5	.81	68.7	74·5	„	0.2					
6 „	.861	.340	67.6	62.8	4.8	59.9	.78	68.0	74.0	„	0.1					
7 „	.904	.359	68.2	63.8	4.4	61.2	.80	68.5	73.9	„	0.1					
8 „	.929	.360	70.5	65.4	5.1	62.5	.77	70.7	73.9	NE	0.1					
9 „	.938	.323	74.0	68.0	6.0	64.9	.74	73.0	74.3	„	0·0					
10 „	.945	.287	76.2	70.0	6.2	66.9	.74	75.0	74.6	NNW	0.1					
11 „	.922	.246	77.4	70.9	6.5	67.8	.73	76.4	75.0	„	0.7	None.	None.	None.	None.	None.
Noon.	.883	.189	79.4	72.0	7.4	68.6	.70	78.0	75.4	„	0.6					
1 p. m.	.847	.161	79.4	71.8	7.6	68.2	.70	78.0	75.6	NW b N	0·6					
2 „	.824	.130	79.4	72.0	7.4	68.6	.70	78.3	75.8	„	0·8					
3 „	.816	.140	79.0	71.4	7.6	67.8	.70	77.8	76.1	„	0·5					
4 „	.828	.155	78.0	71.0	7.0	67.6	.72	77.0	76.2	„	0·8					
5 „	.834	.178	77.0	70.2	6.8	66.8	.72	76.3	76.1	„	0·6					
6 „	.844	.168	74.8	70.1	4.7	67.8	.80	74.7	76.0	„	0·4					
7 „	.870	.188	74.0	70.0	4.0	68.0	.83	73.7	75.7	NW	0·5					
8 „	.902	.216	73.6	70.0	3.6	68.2	.84	73.5	75.5	„	0·3					
9 „	.915	.222	73.0	70.0	3.0	68.5	.87	73.0	75.4	„	0.4					
10 „	.914	.251	72.6	69.0	3.6	67.2	.84	73.0	75.3	„	0·4					
11 „	.905	.254	72.2	68.5	3.7	66.6	.84	72.6	75.2	„	0.1					
Jan. 27th-Midnight	.889	.234	70.4	68.0	2.4	66.8	.89	71.2	75.0	NW b N	0.0					
1 a. m.	.866	.211	70.4	68.0	2.4	66.8	.89	71.3	74.8	„	0.0					
2 „	·856	·188	69.2	68.0	1.2	67.4	.94	70.2	74.6	„	0.0					
3 „	.844	.213	71.0	67.5	3.5	65.6	.84	71.4	74.6	„	0.4					
4 „	.848	.217	71.0	67.5	3.5	65.6	.84	71.2	74.5	„	0.5					
5 „	·867	.233	68.7	66.8	2.9	65.8	.91	69.0	74.4	NNW	0.1					
6 „	.891	.278	68.3	66.0	2.3	64.8	.89	68.5	74.0	N	0.1					
7 „	.925	.288	69.0	67.0	2.0	65.9	.91	69.4	73.8	„	0.0					
8 „	·951	.312	71.8	68.0	3.8	65.9	.83	72.0	74.0	„	0.1					
9 „	.967	.319	74.0	69.0	5.0	66.5	.78	73·5	74.3	N b E	0.3					
10 „	.969	·297	75.6	70.2	5.4	67.6	.77	75.0	74.5	NE b E	0·1					
11 „	.955	.271	77.0	71.0	6.0	68.1	.75	76.2	75.0	NW b N	0·3					
Noon.	.925	.249	77.7	71.0	6.7	67.8	.73	76.6	75.2	„	0.4	None.	None.	None.	None.	None.
1 p. m.	.894	.221	78.0	71.0	7.0	67.6	.72	77.0	75.4	NW·	0.5					
2 „	.874	.218	78.2	70.6	7.6	66.8	.70	77.2	75.6	„	0·6					
3 „	·874	.232	77.6	70.0	7.6	66.2	.69	76.8	75.7	„	0.5					
4 „	.869	.245	77.4	69.4	8.0	65.3	.68	76.5	75.7	„	0.4					
5 „	.880	.236	76.2	69.6	6.6	66.3	.73	75.7	75.7	„	0.3					
6 „	·896	.277	73.6	68.0	5.6	65.1	.76	73.3	75.5	„	0·4					
7 „	.911	.275	73.0	68.3	4.7	65.9	.80	73.0	75.2	„	0·4					
8 „	.940	.311	72.7	68.0	4.7	65.5	.80	72.7	75.0	NW b W	0·5					
9 „	.955	.321	72.3	68.0	4.3	65.8	.81	72.5	75.0	NW b N	0.2					
10 „	.954	.317	72.0	68.0	4.0	65.9	.82	72.1	74.9	„	0·1					
11 „	.944	.329	71.0	67.0	4.0	64.9	.82	70.7	74.7	N b W	0·0					
Jan. 28th-Midnight	.929	.303	70.0	67.0	3.0	65.4	.86	70.1	74.5	N	0.0					
1 a. m.	.909	.302	69.4	66.2	3.2	64.5	.85	69.8	74.3	„	0.0					
2 „	.889	.280	69.2	66.2	3.0	64.6	.86	69.7	74.2	„	0.0					
3 „	.882	.274	68.2	65.8	2.4	64.5	.89	69.0	73.8	„	0.0					
4 „	.880	.304	67.6	64.6	3.0	62.9	.86	68.5	73.6	„	0.0					
5 „	.887	.271	67.4	65.8	1.6	64.9	.92	68.9	73.4	„	0.0					
6 „	.909	.332	67.2	64.5	2.7	62.9	.87	68.1	73.3	„	0.2	None.	None.	None.	None.	None.
7 „	.942	.370	67.4	64.4	3.0	62.7	.86	67.9	73.0	„	0.2					
8 „	.971	.334	70.8	67.6	3.2	65.9	.86	71.1	73.3	N b E	0·2					
9 „	.998	.383	74.0	68.0	6.0	64.9	.74	73.8	73.6	NNE	0·0					
10 „	30.005	.322	75.5	70.5	5.0	68.1	.79	74.7	73.9	ENE	0.0					
11 „	.993	.330	77.0	70.4	6.6	67.2	.73	76.0	74.3	NNW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪ nimbi.	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°7. The height of barometer at 3 P. M. was 29.816 least during the month, and about 0.062in. lower than the normal mean.
2	K	≀ scattered about hor.	
0	K	Clear, except in hor.	
0	K	Clear.	
0	K	"	
0	N	"	
0	N	"	
0	N	Mist around hor.	
0	N	"	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 80°6.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	N	"	
0	N	A few clouds in W hor.	
1	N	≀≀ scattered about W hor.; mist in hor.	
1	N	≀≀ scattered along hor.; mist along E hor.	
1	C	" "	
3	C	≀≀ scattered about, moving SE.	
3	C	" "	
2	C	≀≀ scattered about hor.	
0	K	A few pieces of ≀≀ here and there observed.	
0	K	Clear.	
0	K	"	
0	K	"	
0	N	Mist in hor.	
0	N	"	
0	N	"	
0	N	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°3 and 80°4.
0	K	" "	
0	K	Clear; dew falling.	
0	K	" "	
0	K	" "	
0	L	" "	
0	L	" "	
0	L	Mist in hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	Clear.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 28th–Noon.	30.961	29.288	78°0	71°0	7°0	67°6	0.72	77°0	74°6	NW b N	0.3					
1 p. m.	.919	.271	78.7	70.5	8.2	66.5	.68	77.2	75.0	NW	0.2					
2 „	.923	.227	79.2	72.0	7.2	68.6	.71	78.0	75.2	NW b N	1·6					
3 „	.913	.210	79.2	72.2	7.0	69.0	.72	78.0	75.4	NNW	1.2					
4 „	.903	.188	79.1	72.5	6.6	69.5	.74	77.9	75.7	NW b N	0.6					
5 „	.907	.182	77.2	72.2	5.0	69.9	.79	76.6	75.9	NNW	1.5					
6 „	.929	.187	75.0	72.0	3.0	70·6	.87	74.9	75.5	NW b N	0.5	None.	None.	None.	None.	None.
7 „	.957	.223	74.4	71.6	2.8	70.2	.87	74.5	75.5	„	0.3					
8 „	.984	.245	74.0	71.6	2.4	70.5	.89	74.3	75.5	„	0.2					
9 „	.000	.252	73.8	71.8	2.0	70.9	.91	74.0	75.3	„	0.0					
10 „	29.993	.260	72.5	71.0	1.5	70.2	.93	72.7	75.1	„	0.0					
11 „	.987	.243	72.2	71.2	1.0	70.7	.95	72.7	75.0	„	0.0					
Jan. 29th–Midnight	.975	.232	71.6	71.0	0.6	70.7	.97	72.0	74.9	NW b N	0.0					
1 a. m.	·958	.243	71.0	70.0	1.0	69.5	.95	71.2	74.8	NNW	0.0					
2 „	.938	.200	71.4	70.8	0.6	70.5	.97	71.8	74.7	„	0.0					
3 „	.935	.210	71.4	70.4	1.0	69.9	.95	71.4	74.7	„	0.0					
4 „	.928	·240	69.4	68.7	0.7	68.3	.97	69.8	74.5	N	0·2					
5 „	.927	.211	70.0	69.7	0.3	69.5	.99	70.5	74.5	„	0.1					
6 „	.959	.249	69.4	69.4	0.0	69.4	1.00	70.3	74.2	„	0.0					●
7 „	30.001	.293	69.4	69.0	0.4	68.8	.98	69.9	74.0	„	0.1					
8 „	.011	.305	71.2	69.8	1.4	69.1	.94	71.3	74.1	NNE	0.2					
9 „	.039	.318	73.6	71.0	2.6	69.7	.89	73.5	74.2	NE b N	0.1					
10 „	.039	.326	76.0	71.5	4.5	69.4	.81	75·4	74.7	N b W	0·3	None.	None.	None.	None.	None.
11 „	.002	.266	77.2	72.5	4.7	70.4	.80	76.4	75.0	NNW	0·2					
Noon.	29.969	.223	78.0	73.0	5.0	70.8	.79	77.0	75.3	NW b N	0·3					
1 p. m.	.933	.191	79.0	73.2	5.8	70.6	.77	77.8	75.4	„	0·3					
2 „	.905	.150	79.2	73.6	5.6	71.2	.77	78.0	75.6	NW	0·3					
3 „	.890	.162	79.0	72.8	6.2	70.0	.75	77.8	75.8	„	0.4					
4 „	.893	.193	78.8	72.0	6.8	68.9	.73	77.8	76.0	NW b W	0.8					
5 „	.909	.262	77.2	70.0	7.2	66.4	.71	76.5	76.0	NNW	1.2					
6 „	.921	.284	75.0	69.0	6.0	65.9	.75	75.0	75.7	„	0.8					
7 „	.940	.295	74.9	69.2	5.7	66.4	.76	74.7	75.5	„	1.0					
8 „	·957	.282	74.6	70.0	4.6	67.7	.80	74.5	75.5	„	1·2					
9 „	.964	.329	74.0	68.6	5.4	65.8	.77	74.0	75.4	„	0·7					
10 „	.965	.394	73.6	66.5	7.1	62.6	.70	73.5	75.2	„	0.6					
11 „	.952	.380	72.0	66.0	6.0	62.7	.74	71.9	75.0	N	0.2					
Jan. 31st–Midnight	.898	.304	70.0	66.0	4.0	63.8	.82	70.3	74.5	N b W	0.1					
1 a. m.	.893	.329	69.8	65.0	4.8	62.3	.78	70.0	74.2	N	0.1					●
2 „	.881	.247	69.3	67.0	2.3	65.8	.89	69.5	73.8	N b W	0.2					
3 „	.860	.206	68.0	67.2	0.8	66.7	.96	68.5	73.5	N	0.2					
4 „	.855	.230	67.2	66.0	1.2	65.4	.94	67.8	73.2	„	0.1					
5 „	.863	.342	66.6	62.4	4.2	59.9	.80	67.8	73.0	„	0·1					
6 „	.880	.390	66.2	61.2	5.0	58.1	.76	67.2	72.7	„	0·1					
7 „	.909	.416	66.4	61.4	5.0	58.2	.76	67.4	72.6	„	0.1					
8 „	.928	.370	70.4	65.0	5.4	62.0	.76	70.5	72.7	NNE	0.2					
9 „	.947	.341	73.6	67.6	6.0	64.4	.74	73.0	73.2	ENE	0.2					
10 „	.951	.378	76.6	67.6	9.0	62.7	.64	75.5	73.7	„	0.1					
11 „	.944	.355	79.4	69.0	10.4	63.5	.60	78.5	74.3	„	0.1					
Noon.	.923	.231	81.6	72.6	9.0	68.5	.66	79.4	74.8	N	0.1	None.	None.	None.	None.	None.
1 p. m.	.891	.215	81.0	72.0	9.0	67.8	.66	79.0	75.0	NW	0.4					
2 „	.871	.198	81.3	72.0	9.3	67.7	.64	80.0	75.5	NNW	0·6					
3 „	.851	.103	81.2	74.0	7.2	70.9	.72	79.6	75.8	„	1·2					
4 „	.848	.108	80.6	73.6	7.0	70.6	.73	79.3	76.0	„	0·7					
5 „	.841	.076	79.6	74.0	5.6	71.6	.77	78.5	76.0	N b W	0·3					
6 „	.858	.076	76.8	73.6	3.2	72.3	.87	76.5	76.0	„	0.4					
7 „	.887	.115	75.6	73.0	2.6	71.9	.89	75.6	75.9	„	0·3					
8 „	.908	.124	75.2	73.2	2.0	72.4	.91	75.4	75.8	„	0.2					
9 „	.928	.142	74.4	73.0	1.4	72.4	.94	74.9	75.7	„	0.1					
10 „	.930	.144	74.4	73.0	1.4	72.4	.94	74.9	75.7	„	0.2					
11 „	.923	.135	74.2	73.0	1.2	72.5	.95	74.5	75.8	N	0.1					

Amount of Clouds 0 — 8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati ; ⌒≀ cumulo-strati ; and ≀≀ nimbi.	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°5.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	L	" "	
0	L	" "	
0	L	Mist in hor.	
0	L	A few ≀ scattered in W hem.; mist around hor.	
1	C	A few pieces of ≀≀ in S and NE, moving SE; ≀ scattered along E hor.	
2	C	≀≀ above W hor.; ≀ scattered along E hor.	
2	C	≀≀ along W hor.; ≀ scattered along E hor.	
2	C	"	
1	K	≀≀ scattered about hor. from WNW to ENE.	
1	K	"	
1	K	≀≀ scattered about hor. from NW to NE.	
1	K	"	
0	C	A few ≀ in NW and NE hor.	
0	C	"	
0	C	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	L	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°4.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ≀ and mist around hor.	
2	K	≀ scattered around hor., except in S; mist in hor.	
2	K	" " "	
1	L	≀ scattered about hor., from NE to SW; mist in hor.	
1	L	" " "	
0	L	A few ≀ in W and NW hor.; mist in hor.	
0	L	" "	
0	C	A few ≀ in W and NE hor.	
0	C	A few ≀ in W and N hor.	
0	C	A few ≀ in NE hor.	
1	C	≀ scattered here and there.	
1	K	"	
1	K	"	
1	K	"	
0	K	Clear.	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 1st-Midnight	29.914	29.159	73°2	71°8	1°4	71°2	0.94	74°0	75°7	N	0.0					
1 a. m.	.910	.149	72.6	71.8	0.8	71.4	.96	73.2	75.4	„	0·0					
2 „	.901	.140	73.3	72.0	1.3	71.4	.94	73.6	75.3	„	0.0					
3 „	.892	.160	72.6	71.0	1.6	70.2	.93	73.0	75.2	„	0.0					
4 „	.895	.197	71.0	69.5	1.5	68.7	.93	71.2	75.0	„	0·0					
5 „	.900	.254	70.0	67.6	2.4	66.4	.89	70.6	74.8	„	0·1					
6 „	.918	.333	69.0	65.4	3.6	63.3	.83	69.6	74.5	„	0.2					
7 „	.947	.296	69.2	67.5	1.7	66.6	.92	69.2	74.3	NNE	0·0					
8 „	.962	.290	73.0	69.4	3.6	67.6	.84	72.8	74.5	ENE	0.0					
9 „	.992	.341	75.6	69.6	6.0	66.6	.75	75.0	74.9	E	0.2					
10 „	.997	.305	77.6	71.4	6.2	68.5	.75	77.2	75.2	E b N	0·1					
11 „	.979	.256	79.4	72.8	6.6	69.8	.74	78.1	75.6	N	0·5	None.	None.	None.	None.	None.
Noon.	.952	.191	80.0	74.0	6.0	71.4	.76	78.6	75.9	N b W	0.5					
1 p. m.	.921	.152	81.3	74.6	6.7	71.7	.74	79.9	76.0	NW	0·3					
2 „	.899	.126	82.4	75.0	7.4	71.9	.71	80.5	76.5	„	0·5					
3 „	.888	.092	82.4	75.9	6.5	72.8	.71	80.9	76.7	„	0.2					
4 „	.886	.042	82.0	76.7	5.3	74.6	.79	80.2	77.0	„	0·5					
5 „	.885	.049	80.2	76.0	4.2	74.3	.83	79.0	77.2	„	0.4					
6 „	.901	.096	77.4	74.4	3.0	73.2	.87	77.2	76.9	NW b N	0.2					
7 „	.921	.118	76.2	74.0	2.2	73.1	.91	76.4	76.7	„	0.2					
8 „	.934	.129	76.0	74.0	2.0	73.2	.91	75.8	76.6	„	0.2					
9 „	.951	.153	74.6	73.4	1.2	72.9	.95	75.2	76.6	„	0.1					
10 „	.962	.182	73.6	72.6	1.0	72.2	.96	74.0	76.3	„	0.1					
11 „	.952	.188	73·0	72.0	1.0	71.5	.95	73.6	76.3	„	0.1					
Feb. 2nd-Midnight	.948	.152	72.8	72.8	0.0	72.8	1.00	73.6	76.1	N b E	0.1					
1 a. m.	.936	.181	72.2	71.5	0.7	71.2	0.97	72.8	75.6	NNE	0.0					
2 „	.923	.164	72.0	71.6	0.4	71.3	.98	72.8	75.5	„	0.0					
3 „	.915	.173	71.4	70.9	0.5	70.6	.98	72.0	75.2	„	0.0					
4 „	.922	.217	70.7	69.6	1.1	69.1	.95	71.6	75.1	„	0.0					
5 „	.915	.243	70.0	68.4	1.6	67.6	.93	71.0	75.0	„	0.0					
6 „	.934	.238	70·6	69.3	1.3	68.7	.94	70.8	74·8	„	0.0					
7 „	.968	.342	70.0	67.0	3.0	65.4	.86	71.0	74.6	„	0.0					
8 „	.981	.342	73.6	68.6	5.0	66.1	.78	73.6	75.0	NE b E	0.0					
9 „	.998	.345	76.6	70.0	6.6	66.7	.73	76.0	75.3	ENE	0.0					
10 „	30.007	.312	78.6	71.8	6.8	68.6	.73	77.8	75.5	„	0.0					
11 „	29.988	.194	80.0	74.8	5.2	72.8	.79	78.5	75.8	NW	0·1	None.	None.	None.	None.	None.
Noon.	.963	.158	81.6	75.6	6.0	73.2	.76	79.8	76.3	„	0.4					
1 p. m.	.942	.126	82.0	76.0	6.0	73.6	.77	80.6	76.6	NNW	0.5					
2 „	.918	.120	82.2	75.6	6.6	72.9	.74	80.6	76.9	NW b N	1.5					
3 „	.898	.117	81.6	75.0	6.6	72.2	.74	80.1	77.1	„	1.2					
4 „	.892	.115	80.5	74.3	6.2	72.0	.76	79.3	77.2	„	1.7					
5 „	.891	.118	79.6	74.2	5.4	71.9	.78	78.5	77.3	NNW	0.6					
6 „	.900	.131	77.2	73.4	3.8	71.7	.84	77.0	77.0	„	0.5					
7 „	.909	.136	76.2	73.2	3.0	71.9	.87	76.0	77.0	„	0.9					
8 „	.940	.188	75.8	72.5	3.3	71.1	.86	75.5	76.7	N b W	0.2					
9 „	.953	.220	75.2	71.8	3.4	70.2	.85	75.4	76.5	„	0.2					
10 „	.971	.243	74.7	71.5	3.2	70.0	.86	74.9	76.4	„	0.2					
11 „	.958	.248	74.6	71.0	3.6	69.3	.84	74.9	76.4	„	0·1					
Feb. 3rd-Midnight	.950	.297	73.5	69.0	4.5	66.7	.80	74.0	76.3	N b W	0·1					
1 a. m.	.948	.303	72.8	68.5	4.3	66.4	.82	73.1	75.7	„	0.0					
2 „	.933	.319	72.2	67.4	4.8	64.9	.79	72.5	75.5	„	0.0					
3 „	.928	.374	71.7	66.2	5.5	63.1	.76	72.1	75.4	„	0.0					
4 „	.925	.405	71.3	64.1	7.2	59.8	.70	71.6	75.2	„	0·1	None.	None.	None.	None.	None.
5 „	.920	.322	70.2	66.2	4.0	64.1	.82	70.0	75.0	„	0.0					
6 „	.945	.374	70.0	65.3	4.7	62.6	.79	70.4	74.7	N	0.0					
7 „	.969	.377	70.2	66.0	4.2	63.8	.81	70.4	74.5	„	0.0					
8 „	.996	.433	72.8	66.0	6.8	62.2	.71	72.6	74.5	„	0·0					
9 „	30.013	.394	76.6	69.0	7.6	65.1	.69	75.5	75.0	„	0.0					
10 „	.012	.310	78.6	72.0	6.6	68.9	.73	77.3	75.3	NNE	0.0					
11 „	.001	.238	82.0	74.5	7.5	71.5	.71	79.8	75.9	NE	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∖ cirri; ∨ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ⌒ cumulo-strati; and ∨ nimbi.	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°4.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	K	,, ,,	
0	K	Mist in hor.	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	Clear; dew falling	
0	L	,, ,,	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 *inches* below its surface 76°9 and 80°4.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	K	,, ,,	
0	K	Mist in hor.	
0	K	Clear.	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°2.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	Mist in hor.	
0	K	,,	
0	K	,,	
0	L	,,	
0	L	,,	
0	L	,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 3rd-Noon.	29.972	29.202	82°0	74°8	7°2	71°8	0.72	80°3	76°3	NW	0.3					
1 p. m.	.940	.131	82.6	76.0	6.6	73.3	.75	80.9	76.6	NW b N	0.6					
2 „	.907	.102	83.0	76.0	7.0	73.2	.73	81.3	77.0	NNW	0.6					
3 „	.891	.070	82.6	76.3	6.3	73.8	.76	81.0	77.2	NW b N	1.2					
4 „	.884	.085	81.4	75.4	6.0	72.9	.76	80.1	77.5	„	1.0					
5 „	.884	.098	80.5	74.8	5.7	72.5	.77	79.5	77.4	„	0.5	None.	None.	None.	None.	None.
6 „	.890	.114	78.0	73.8	4.2	72.0	.83	77.4	77.3	„	0.6					
7 „	.903	.104	77.2	74.2	3.0	73.0	.87	77.0	77.2	NNW	1.4					
8 „	.927	.134	76.4	73.8	2.6	72.7	.89	76.4	77.0	„	0.4					
9 „	.953	.184	75.9	73.0	2.9	71.7	.88	76.1	77.0	„	0.2					
10 „	.952	.212	75.2	72.0	3.2	70.6	.86	75.4	76.8	„	0.2					
11 „	.946	.186	75.0	72.5	2.5	71.4	.89	75.1	76.7	„	0.1					
Feb. 4th-Midnight	.942	.243	74.0	70.5	3.5	68.8	.84	74.5	76.5	NNW	0.1					
1 a. m.	.922	.243	73.0	69.5	3.5	67.9	.84	73.6	76.2	„	0.0					
2 „	.908	.255	73.5	69.0	4.5	66.7	.81	73.8	76.0	„	0.0					
3 „	.899	.252	72.6	68.5	4.1	66.5	.82	73.1	75.7	„	0.0					
4 „	.894	.350	71.6	65.0	6.6	61.2	.72	72.0	75.5	„	0.0					
5 „	.899	.297	72.2	67.0	5.2	64.2	.77	72.0	75.4	N b E	0.0					
6 „	.908	.264	71.4	68.0	3.4	67.2	.85	71.4	75.2	„	0.0					
7 „	.935	.276	72.4	68.8	3.6	67.0	.84	72.5	75.2	„	0.0					
8 „	.957	.329	75.8	69.0	6.8	65.5	.72	75.6	75.4	„	0.0					
9 „	.988	.390	78.5	69.0	9.5	64.0	.63	77.3	75.7	NE	0.1					
10 „	.992	.394	80.2	69.5	10.7	64.1	.59	79.5	76.3	„	0.1	None.				
11 „	.977	.305	82.7	72.4	10.3	67.6	.61	80.4	76.7	NNW	0.2					
Noon.	.945	.264	83.8	73.0	10.8	68.0	.60	81.2	77.1	„	0.2					
1 p. m.	.921	.248	85.6	73.3	12.3	67.7	.56	83.1	77.5	NW b N	0.2					
2 „	.892	.105	85.8	76.4	9.4	68.2	.66	83.8	78.0	NW	0.2					
3 „	.875	.103	86.0	76.0	10.0	71.9	.64	83.5	78.5	„	0.2					
4 „	.873	.061	85.5	76.9	8.6	73.4	.68	83.4	78.7	„	0.2					
5 „	.878	.046	84.1	77.0	7.1	74.2	.73	82.5	78.8	„	0.2					
6 „	.886	.098	81.0	75.0	6.0	72.5	.76	80.9	78.7	„	0.2					
7 „	.910	.127	79.4	74.4	5.0	72.3	.80	79.0	78.5	„	0.2					
8 „	.932	.212	77.0	72.0	5.0	69.7	.79	77.0	78.3	NW b N	0.0					
9 „	.949	.185	76.4	73.0	3.4	71.5	.86	76.8	78.0	„	0.0		+	3		0.22
10 „	.955	.203	75.4	72.4	3.0	71.1	.87	75.8	77.8	„	0.0		+	12	10	1.15
11 „	.945	.203	75.0	72.0	3.0	70.6	.87	75.4	77.6	„	0.0					
Feb. 5th-Midnight	.939	.183	74.4	72.2	2.2	71.2	.90	75.0	77.4	NW b N	0.0					
1 a. m.	.931	.152	75.0	73.0	2.0	72.1	.91	75.2	77.1	NNE	0.1					
2 „	.912	.193	73.8	71.0	2.8	69.7	.85	74.2	76.7	NE	0.2					
3 „	.905	.216	73.4	70.0	3.4	68.8	.89	73.9	76.7	„	0.3					
4 „	.898	.298	72.4	67.0	5.4	64.2	.77	73.0	76.4	E b S	0.2					
5 „	.905	.307	73.8	67.4	6.4	64.0	.73	74.0	76.5	„	0.2					
6 „	.915	.260	73.4	69.0	4.4	66.8	.81	73.6	76.3	E	0.2					
7 „	.957	.304	73.0	68.8	4.2	66.7	.82	73.1	76.1	E b N	0.1					
8 „	.987	.374	75.4	68.4	7.0	64.8	.75	75.4	76.1	„	0.1					
9 „	.998	.374	77.8	69.5	8.3	65.3	.67	76.8	76.5	„	0.1					
10 „	30.004	.308	79.2	72.0	7.2	68.7	.71	78.2	76.7	„	0.1	None.	None.	None.	None.	None.
11 „	29.986	.339	80.4	71.0	9.4	66.5	.64	79.2	77.0	„	0.0					
Noon.	.957	.406	84.0	69.4	14.6	61.5	.49	82.6	77.5	„	0.0					
1 p. m.	.924	.301	85.8	72.0	13.8	65.3	.52	83.0	78.0	SW b W	0.1					
2 „	.899	.166	86.0	75.0	11.0	70.2	.61	83.6	78.4	SW	0.3					
3 „	.879	.028	86.0	78.0	8.0	74.9	.70	83.7	78.8	„	0.2					
4 „	.877	.034	85.2	77.6	7.6	74.6	.72	83.1	79.0	„	0.2					
5 „	.881	.010	84.2	78.0	6.2	75.6	.76	82.6	79.3	SW b W	0.1					
6 „	.903	.030	80.4	77.0	3.4	75.7	.86	79.9	79.0	W	0.1					
7 „	.931	.063	79.0	76.5	2.5	75.5	.90	79.0	78.7	„	0.0					
8 „	.949	.097	77.7	75.7	2.0	74.9	.92	78.0	78.6	„	0.0					
9 „	.961	.084	77.2	76.2	1.0	75.8	.96	77.6	78.5	„	0.0					
10 „	.966	.094	76.5	75.9	0.6	75.7	.97	77.1	78.4	SW b W	0.0					
11 „	.953	.115	75.8	74.8	1.0	74.4	.96	76.5	78.2	SW b S	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ≀≀ nimbi.	
0	L	Mist in hor.	
2	C	≀ scattered in NE, from SW to N hor.	
2	C	" "	
2	C	≀ scattered around hor., except in S.	
1	C	≀ scattered from NW to S hor.	
1	K	A few ≀ scattered from WNW to S hor.	
1	K	≀ scattered along W hor. from SSW to N.	
0	K	Clear, except in hor.	
0	K	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	A few pieces of ≀≀ in N hor.; mist in hor.	
1	K	Patches of ≀≀ scattered about hor. from WNW to NE; mist in hor.	
2	K	Pieces of ≀≀ scattered here and there; mist in hor.	
0	B	" " "	
0	B	A few ≀ scattered in N and S of zth.; mist in hor.	
0	B	Mist in hor.	
0	B	A few ≀ above NW hor.	
0	C	"	
1	C	≀ scattered from SW to NW hor.	
1	C	≀ scattered from SW to N hor.	
2	C	≀ scattered about hor. from SW to NE.	
2	B	≀ scattered around hor., except in S.	
0	B	A few ≀ in NW hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	K	Clear; dew falling.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	Clear.	
0	B	"	
0	B	Mist in hor.	
0	B	"	
0	B	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	L	"	
1	B	Masses of ≀≀ scattered along W hor. about zth.	
0	B	Clear.	
0	B	"	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 7th-Midnight	29.947	29.120	75·4	74·4	1·0	74·0	0.96	75·8	77·4	WNW	0·3					
1 a. m.	.947	.158	75.8	73.5	2.3	72.6	.90	76.0	77.2	NW	0·5					
2 „	.935	.155	75.6	73.2	2.4	72.2	.90	75.8	77.2	„	0.7					
3 „	.929	.152	75.2	73.0	2.2	72.0	.90	75.4	77.1	„	0.3					
4 „	.934	.171	74.4	72.4	2.0	71.5	.91	74.5	77.1	N	0.1					
5 „	.946	.186	73.4	72.0	1.4	71.4	.94	73.6	77.0	„	0.1					
6 „	.972	.213	72.8	71.8	1.0	71.3	.95	73.3	76.7	„	0.1					
7 „	30.001	.247	72.6	71.6	1.0	71.1	.95	73.3	76.5	„	0.2					
8 „	.025	.276	74.4	72.0	2.4	70.9	.89	74.8	76.6	N b E	0·1					
9 „	.041	.256	75.8	73.4	2.4	72.4	.90	76.2	76.9	NE	0.1					
10 „	.044	.292	76.8	72.8	4.0	71.0	.83	76.6	77.0	„	0.1	None.			None.	
11 „	.020	.300	77.0	72.0	5.0	69.7	.79	77.2	77.0	NW b N	0.1					
Noon.	29.994	.273	79.0	72.6	6.4	69.8	.74	77.7	77.3	„	0.1					
1 p. m.	.980	.291	80.2	72.1	8.1	68.4	.68	78.8	77.4	NW	0·1					
2 „	.956	.241	80.8	73.0	7.8	69.5	.70	79.3	77.5	„	0.2					
3 „	.933	.252	80.5	72.0	8.5	68.0	.67	79.1	77.8	NW b N	0·7					
4 „	.936	.216	80.0	72.9	7.1	69.7	.72	78.8	77.7	„	0·5					
5 „	.944	.225	78.8	72.5	6.3	69.7	.75	77.7	77.7	„	0·7					
6 „	.955	.225	76.1	72.0	4.1	70.1	.83	76.0	77.5	NNW	0.8		+	2		Above 10m.
7 „	.967	.251	74.8	71.2	3.6	69.6	.85	74.3	77.3	„	1.0		+	1		Above 10m.
8 „	30.001	.284	74.0	71.0	3.0	69.6	.87	74.1	77.1	„	0.3		+	1		Above 10m.
9 „	.004	.299	73.5	70.5	3.0	69.0	.87	73.6	76.8	„	0.3					
10 „	.005	.293	73.1	70.6	2.5	69.3	.89	73.6	76.7	„	0.3		+	1		Above 10m.
11 „	29.996	.283	72.8	70.5	2.3	69.4	.90	73.2	76.5	„	0.3		+	1		Above 10m.
Feb. 8th-Midnight	.987	.271	72.5	70.5	2.0	69.6	.91	72.9	76.4	NNW	0.6		+	1		0.57
1 a. m.	.980	.272	71.6	70.0	1.6	69.2	.93	72.0	76.0	N	0.2					
2 „	.965	.271	71.0	69.4	1.6	68.6	.93	70.9	75.8	„	0.4					
3 „	.952	.288	69.5	68.0	1.5	67.2	.93	69.9	75.5	„	0.2		+	2		0.35
4 „	.944	.274	69.0	68.0	1.0	67.5	.95	69.2	75.2	„	0.2		+	2		1.00
5 „	.955	.285	69.0	68.0	1.0	67.5	.95	69.2	75.0	„	0.3		+	4		0.56
6 „	.973	.307	68.8	67.8	1.0	67.3	.95	69.0	74.7	„	0.1		+	7		2.00
7 „	.990	.345	68.8	67.2	1.6	66.4	.92	69.0	74.5	N b E	0.1		+	9	8	1.40
8 „	30.019	.335	71.4	69.2	2.2	68.1	.90	72.0	74.7	NNE	0.1		+	2		Above 10m.
9 „	.014	.328	73.6	70.0	3.6	68.2	.84	73.3	75.0	NE b E	0.1		+	2		Above 10m.
10 „	.016	.337	75.6	70.4	5.2	67.9	.78	74.9	75.3	„	0.1	None.				
11 „	.003	.337	76.8	70.4	6.4	67.3	.74	75.7	75.5	NNE	0.1					
Noon.	29.972	.301	77.5	70.8	6.7	67.6	.73	76.4	75.7	NW	0.3					
1 p. m.	.947	.334	78.4	69.4	9.0	64.8	.64	76.6	75.8	„	0.2		+	1		Above 10m.
2 „	.922	.243	79.4	71.6	7.8	67.9	.69	78.0	76.0	„	0.3		+	1		Above 10m.
3 „	.897	.210	80.0	72.0	8.0	68.3	.69	78.6	76.3	„	0.2					
4 „	.893	.207	80.1	72.0	8.1	68.2	.68	78.3	76.5	NW b N	0.3					
5 „	.889	.181	78.8	72.2	6.6	69.2	.73	78.2	76.6	„	0.7		+	4		Above 10m.
6 „	.899	.198	76.5	71.3	5.2	68.9	.78	76.2	76.5	„	0.7		+	3		Above 10m.
7 „	.920	.211	75.4	71.2	4.2	69.2	.82	75.2	76.3	„	0.2		+	2		Above 10m.
8 „	.942	.251	74.8	70.5	4.3	68.4	.81	74.2	76.2	NNW	0.3		+	3		0.20
9 „	.950	.299	74.4	69.2	5.2	66.6	.78	74.5	76.2	„	0.8					
10 „	.951	.269	74.0	70.0	4.0	68.0	.83	74.0	76.1	N b W	0·8		+	1		Above 10m.
11 „	.943	.295	72.5	68.5	4.0	66.5	.82	72.5	75.8	N	0.4					
Feb. 9th-Midnight	.929	.290	72.1	68.1	4.0	66.1	.82	72.5	75.6	N	0.8		+	2		Above 10m.
1 a. m.	.917	.321	71.6	66.6	5.0	63.9	.78	71.8	75.4	„	0.4		+	2		Above 10m.
2 „	.907	.344	70.2	65.1	5.1	62.2	.77	70.6	75.2	„	0.5		+	1		1.30
3 „	.904	.361	69.2	64.1	5.1	61.1	.77	69.8	74.8	„	0.1		+	2		Above 10m.
4 „	.894	.323	69.2	65.0	4.2	62.7	.81	70.0	74.5	„	0·0	None.	+	8	6	2.18
5 „	.904	.285	68.9	66.4	2.5	65.1	.88	69.8	74.5	„	0.0		+	4		3.00
6 „	.919	.323	67.8	65.3	2.5	63.9	.88	68.8	74.2	NE	0.0					
7 „	.958	.355	67.8	65.5	2.3	64.3	.89	69.3	73.8	„	0·0		+	12		2.10
8 „	.973	.395	72.3	66.3	6.0	63.0	.74	72.0	74.0	„	0.0		+	Out of Sc.	30	0.05
9 „	.986	.335	76.2	69.8	6.4	66.6	.74	75.5	74.7	„	0.1		+	Out of Sc.	28	Above 10m.
10 „	.984	.318	77.3	70.6	6.7	67.3	.73	76.3	75.1	ENE	0.2		+	2		Above 10m.
11 „	.976	.317	78.0	70.6	7.4	67.0	.70	76.6	75.3	E b S	0·1		+	3		Above 10m.

Amount of clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
4	K	≀≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 77°5 and 80°2.
4	C	≀≀ scattered about, moving ENE; dew falling.	
4	C	" " "	
3	C	≀≀ scattered about hor., moving NE; dew falling.	
3	C		
2	B	" " "	
6	B	Patches of ≀≀ scattered here and there, moving E; dew falling.	
6	B	≀≀ scattered throughout, moving SE.	
5	B	" "	
3	L	" "	
4	L	≀≀ scattered about, moving SE.	
2	L	≀≀ scattered about, moving S.	
1	L	" "	
1	C	≀≀ scattered about hor. from SW to NE.	
1	C	≀≀ in W hor.; ≀ scattered in S and SW.	
1	C	≀≀ scattered above E and SE hor.	
0	C	≀≀ along W hor.; ≀ scattered above E and W hor.	
0	G	A few patches of ≀≀ in W hor.	
1	G	Patches of ≀≀ along W hor.; mist around hor.	
1	G	Patches of ≀≀ scattered along W hor.; ≀ along E; mist around hor.	
0	G	≀≀ scattered along W hor.	
0	B	A few pieces of clouds along W hor.	
0	B	Clear, except in hor.	
0	B	" "	
0	B	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	G	" "	
1	G	≀ and ≀≀ scattered around hor.	
0	G	A few pieces of ≀≀ and ≀ around hor.; mist in hor.	
0	G	Pieces of ≀≀ scattered around hor. but rather densely in W; mist in hor.	
0	L	Pieces of ≀≀ along W hor.; a few ≀ in NW; mist in hor.	
0	L	Pieces of ≀≀ in S and SW; ≀ above W and NW hor.; mist in hor.	
4	L	≀ scattered about.	
1	L	≀ scattered around hor.	
2	C	≀ scattered about.	
2	C	≀ scattered about hor. from NE to SW.	
2	C	" "	
0	C	A few ≀ scattered along E hor.	
0	G	A solitary patch of ≀ in SE above hor.	
0	G	Dense mist around hor.	
0	G	Clear.	
0	G	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°3.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	G	Clear; dew falling.	
0	G	A few patches of clouds from ESE to W hor.	
0	G	A few clouds in hor. but they were observed by dense mist.	
0	G	A few ≀ and dense mist around hor.	
0	L	Mist around hor.	
0	L	"	
0	L	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 9th–Noon.	29.949	29.296	79°2	70°8	8°4	66°7	0.67	77°8	75°6	WSW	0.1					
1 p. m.	.919	.287	80.4	70.6	9.8	65.7	.63	78.2	75.8	NW b W	0.4					
2 „	.891	.208	80.1	71.9	8.2	68.1	.68	78.5	76·0	NW	0.5					
3 „	.873	.189	80.3	72.0	8.3	68.1	.68	79.0	76.2	„	0.5					
4 „	.881	.194	80.0	72.0	8.0	68.3	.69	78.5	76.5	„	0.8					
5 „	.881	.214	79.2	71.2	8.0	67.3	.68	78.0	76.4	„	0.4					
6 „	.890	.275	75.5	68.5	7.0	64.9	.71	75.0	76.2	„	0.7	None.				
7 „	.914	.303	74.4	68.0	6.4	64.7	.73	74.5	76.1	„	0.8					
8 „	.939	.339	73.9	67.5	6.4	64.2	.73	74.0	76.0	„	0.8					
9 „	.952	.332	73.5	68.0	5.5	65.1	.76	73.8	75.8	NNW	0.2					
10 „	.955	.332	73.4	68.0	5.4	65.3	.77	73.8	75.6	„	0.0		+	8	6	1.23
11 „	.931	.303	71.0	67.4	3.6	65.5	.84	72.0	75.4	„	0.0		+	3		Above 10m.
Feb. 10th–Midnight	.914	.284	70.2	67.2	3.0	65.6	.86	71.0	75.2	NNW	0.0		+	16	15	1.35
1 a. m.	.913	.276	69.0	67.0	2.0	65.9	.91	69.7	74.6	„	0.0		+	10	6	Above 10m.
2 „	.900	.263	69.0	67.0	2.0	66.0	.91	69.7	74.5	„	0.0					
3 „	.898	.231	69.8	67.5	2.3	67.3	.89	70.1	74.4	„	0·0					
4 „	.887	.252	69.2	67.0	2.2	65.8	.90	69.9	74.2	N b W	0.0					
5 „	.893	.283	68.4	65.6	2.8	64.6	.87	68.5	74.0	N	0.0					
6 „	.910	.305	68.0	65.0	3.0	64.4	.86	68.5	73.8	„	0.1					
7 „	.935	.323	68.4	66.0	2.4	64.8	.89	69.0	73.5	„	0.1					
8 „	.955	.304	71.9	68.4	3.5	66.6	.84	71.9	73.7	N b E	0.1					
9 „	.972	.326	73.6	68.8	4.8	66.4	.79	73.0	74.0	NE b E	0.2					
10 „	.974	.343	75.0	68.8	6.2	65.6	.74	74.2	74.4	ENE	0.1					
11 „	.957	.329	77.0	69.4	7.6	65.5	.69	75.6	74.6	„	0.0					
Noon.	·924	.328	78.2	68.8	9.4	64.0	.63	76.6	74.8	NW b N	0.2	None.				
1 p. m.	.895	.358	79.0	67.0	12.0	60.8	.54	77.7	75.2	„	0.3					
2 „	.867	.284	80.5	69.2	11.3	63.3	.58	79.2	75.5	„	0.8					
3 „	.848	.269	80.8	68.5	12.3	63.0	.54	79.1	75.9	„	1.5					
4 „	.845	.262	80.5	69.2	11.3	63.3	.58	79.1	76.0	„	1.2					
5 „	.844	.244	79.0	69.2	9.8	64.2	.62	78.0	76.0	„	1.2					
6 „	.854	.247	76.2	68.5	7.7	64.5	.69	75.8	75.8	„	0.8					
7 „	.890	.288	75.2	68.0	7.2	64.2	.70	75.1	75.8	„	1.0					
8 „	.906	.348	74.8	66.5	8.3	62.0	.66	74.7	75.7	NNW	0.7					
9 „	.911	.375	74.4	66.0	8.4	61.3	.65	74.4	75.6	„	0.7					
10 „	.920	.318	73.4	67.4	6.0	64.3	.74	73.4	75.5	„	0.1					
11 „	.912	.456	70.8	61.8	9.0	55.9	.61	70.8	75.1	N	0.0					
Feb. 11th–Midnight	.898	.468	70.4	60.8	9.6	54.1	.59	70.8	74.7	N	0.0					
1 a. m.	.892	.383	69.8	63 0	6.8	59.2	.70	70.2	74.5	„	0.0					
2 „	.879	.412	69.2	61.6	7.6	56.6	.66	69.8	74.2	„	0.1					
3 „	.886	.365	69.8	63.6	6.2	59.9	.72	70.4	73.9	„	0.1					
4 „	.894	.383	70.2	63.4	6.8	59.3	.70	70.0	74.0	„	0.5					
5 „	.901	.461	68.3	60.5	8.3	54.8	.63	68.8	73.7	„	0.2					
6 „	.921	.496	67.5	59.5	8.0	53.8	.64	67.8	73.4	„	0.2					
7 „	.964	.550	67.5	59.1	8.4	53.0	.62	67.9	73.0	„	0.1					
8 „	30.000	.566	71.2	61.2	10.0	54.4	.58	70.9	73.1	N b E	0.1					
9 „	.016	.513	74.8	64.8	10.0	58.8	.59	73.6	73.5	NE	0.2					
10 „	.010	.573	78.0	63.8	14.2	54.6	.47	76.6	74.0	N	0.2					
11 „	29.995	.516	79.0	65.5	13.5	57.4	.49	77.5	74.9	NNW	0.2					
Noon.	.959	.494	81.6	66.0	15.6	56.5	.44	79.5	75.0	„	0.7	None.			None.	
1 p. m.	.928	.437	82.2	67.0	15.2	58.1	.46	80.5	75.5	„	2.5					
2 „	.901	.326	82.1	69.5	12.6	62.9	.54	80.7	75.7	„	3.0					
3 „	.890	.308	82.1	69.7	12.4	63.2	.54	81.0	76.0	„	2.5					
4 „	.891	.327	81.6	69.0	12.6	62.3	.54	80.3	76.3	„	2.0					
5 „	.884	.354	80.2	67.5	12.7	60.4	.53	81.3	76.5	„	2.0					
6 „	.900	.329	77.4	67.8	9.6	62.6	.62	77.0	76.4	„	1.8					
7 „	.927	.428	76.6	65.3	11.3	58.6	.56	76.6	76.2	„	1.6		+	1		Above 10m.
8 „	.949	.420	75.9	66.0	9.9	60.3	.60	75.5	76.1	N b W	0.3		+	1		Above 10m.
9 „	.957	.460	74.5	64.5	10.0	58.5	.59	74.5	75.8	NNW	0.6		+	2		Above 10m.
10 „	.968	.582	72.8	63.5	9.3	57.8	.61	72.5	75.5	N	0.2		+	1		Above 10m.
11 „	.958	.583	72.0	59.5	12.5	50.1	.48	71.8	75.2	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∖ cirri; ≋ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
0	L	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	K	Clear; dew falling.	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°3.
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Mist around hor	
0	B	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	K	,,	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 80°2.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	Mist around hor.	
0	B	,,	
0	B	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	K	,,	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 12th-Midnight	29.950	29.507	70°4	61°2	9°2	55°0	0.60	71°0	74°7	N	0.2					
1 a. m.	.946	.473	69·8	62.0	7.8	57.0	.67	70.2	74.6	,,	0.1					
2 ,,	.943	.468	69·6	62.0	7.6	57.1	.67	70.1	74.3	,,	0.0		+	2		Above 10m.
3 ,,	.935	.504	69.6	60.5	9.1	54.2	.60	69.9	74.0	,,	0.1		+	2		Above 10m.
4 ,,	.945	.576	67.5	57.5	10.0	50.4	.56	68.6	73.5	,,	0.0		+	2		Above 10m.
5 ,,	.951	.567	67.4	58.0	9.4	50.9	.58	67.8	73.3	,,	0.0		+	1		Above 10m.
6 ,,	.971	.536	65.3	59.0	6.3	54.5	.70	66.0	73.0	,,	0.0		+	1		Above 10m.
7 ,,	.993	.537	68.6	61.0	7.6	55.9	.66	69.0	72.7	,,	0.2		+	1		Above 10m.
8 ,,	30.020	.648	71.0	59.0	12.0	49.9	.50	70.8	73.9	,,	0.1		+	1		Above 10m.
9 ,,	.044	.647	74.6	61.2	13.4	51.8	.47	74.0	73.4	,,	0.4					
10 ,,	.051	.673	78.4	62.0	16.4	50.3	.40	77.4	74.0	NNE	0.2					
11 ,,	.043	.540	81.2	67.0	14.2	58.8	.48	79.2	74.6	NNW	0.7		+	2		Above 10m.
Noon.	.016	.500	82.4	67.8	14.6	59.6	.48	80.5	75.2	,,	1.8		+	2		Above 10m.
1 p. m.	29.979	.441	81·8	68.1	13.2	60.8	.51	79.6	75.5	NW b N	2.0	None.			None.	
2 ,,	.950	.408	81.2	68.2	13.0	61.1	.52	79.7	75.8	,,	2.5					
3 ,,	.934	.399	80.7	67.8	12.9	60.6	.52	79.3	76.0	NNW	2.5					
4 ,,	.930	.349	80.1	69.0	11.1	63.1	.58	79.0	76.1	,,	2.0					
5 ,,	.935	.375	79.0	68.0	11.0	62.0	.58	78.0	76.1	,,	2.3					
6 ,,	.945	.369	76.0	67.5	8.5	62.9	.65	75.9	76.0	,,	2.8					
7 ,,	.966	.397	75.2	67.0	8.2	62.6	.66	75.0	75.8	,,	2.5					
8 ,,	.991	.496	74.7	64.5	10.2	58.3	.59	74.7	75.7	,,	2.3					
9 ,,	30.003	.511	73.5	64.0	9.5	58.1	.59	74.2	75.5	N b W	1.0		+	1		Above 10m.
10 ,,	.003	.553	71.9	62.0	9.9	55.5	.58	72.0	75.2	N	0.4		+	2		Above 10m.
11 ,,	29.990	.558	70.8	61.0	9.8	54.3	.58	71.2	74.8	,,	0.2					
Feb. 14th-Midnight	.926	.343	71·0	66.0	5.0	63.2	.78	71.7	75.0	N	0.3					
1 a. m.	.914	.338	70.4	65.5	4.9	62.9	.78	70.5	74.7	,,	0.0					
2 ,,	.905	.367	69.4	64.0	5.4	60.8	.76	70.0	74.4	,,	0.0					
3 ,,	.896	.372	69.0	63.4	5.6	60.1	.75	69.4	74.1	,,	0.0					
4 ,,	.889	.377	69.0	63.0	6.0	59.3	.73	69.3	74.0	,,	0.0					
5 ,,	.901	.506	68.4	58.8	9.6	51.7	.57	68.9	73.6	,,	0.0					
6 ,,	.917	.503	68.5	59.5	9.0	53.0	.60	68.9	73.5	,,	0.0					
7 ,,	.955	.499	69.0	61.5	7.5	55.9	.66	70.9	73.4	,,	0.0					
8 ,,	.980	.500	74.6	64.0	10.6	57.4	.57	74.4	73.7	,,	0.0		+	1		Above 10m.
9 ,,	30.001	.529	78.2	65.0	13.2	56.9	.50	77.5	74.3	,,	0.2					
10 ,,	29.999	.497	81.8	67.2	14.6	58.7	.47	79.8	74.8	N b E	0·2					
11 ,,	.977	.540	85.2	66.4	18.8	54.6	.39	83.0	75.5	NE	0.2	None.			None.	
Noon.	.942	.468	89.2	68.8	20.4	57.1	.35	85.8	76.4	NNE	0.1					
1 p. m.	.904	.228	87.7	74.0	13.7	67.8	.53	84.9	77.0	NW	0.2		+	2		Above 10m.
2 ,,	.872	.206	86.8	73.2	13.6	66.8	.56	84.5	77.3	,,	0.4		+	1		Above 10m.
3 ,,	.853	.131	86.6	74.9	11.7	69.8	.59	84.6	77.7	,,	0.2		+	1		Above 10m.
4 ,,	.847	.020	86.0	77.4	8.6	74.0	.68	84.0	78.0	NW b N	0.2		+	1		Above 10m.
5 ,,	.852	.073	83.6	75.5	8.1	72.1	.70	82.4	78.2	NNW	0.5		+	1		Above 10m.
6 ,,	.864	.166	79.0	72.0	7.0	68.8	.72	78.8	78.0	,,	0.8		+	4		Above 10m.
7 ,,	.885	.176	78.0	72.0	6.0	69.2	.76	78.0	77.6	,,	0.8					
8 ,,	.903	.208	78.0	71.6	6.4	68.6	.74	78.0	77.6	N b W	0.8					
9 ,,	.918	.190	77.2	72.5	4.7	70.4	.80	77.2	77.5	N	0.3					
10 ,,	.930	.338	75.5	67.8	7.7	63.8	.68	76.1	77.2	,,	0·1					
11 ,,	.923	.352	74.4	66.8	7.6	62.6	.68	74.8	77.0	,,	0.0					
Feb. 15th-Midnight	.908	.306	73.4	67.4	6.0	64.3	.74	74.0	76.5	N	0.0					
1 a. m.	.900	.288	72.8	67.5	5.3	64.7	.77	73.5	76.3	,,	0.0					
2 ,,	.883	.177	75.0	71.0	4.0	69.1	.83	75.0	76.2	,,	0.0		+	7	6	Above 10m.
3 ,,	.869	.235	73.8	68.5	5.3	65.8	.77	74.0	76.0	NNE	0.0					
4 ,,	.870	.191	72.4	69.4	3.0	67.9	.87	73.0	75.9	,,	0.0		+	2		Above 10m.
5 ,,	.875	.212	73.6	69.3	4.3	67.2	.81	74.0	75.9	E	0.0					
6 ,,	.901	.238	73.6	69.3	4.3	67.2	.81	74.0	75.9	NE b E	0.1	None.				
7 ,,	.930	.289	74.6	69.0	5.6	66.1	.76	76.0	75.9	,,	0.1					
8 ,,	.949	.278	77.0	70.7	6.3	67.6	.74	76.6	76.0	,,	0.1					
9 ,,	.967	.309	79.4	71.0	8.4	67.0	.67	78.8	76.4	NE	0.2					
10 ,,	.972	.337	83.0	71.5	11.5	65.8	.58	81.5	76.8	,,	0.2					
11 ,,	.954	.427	88.0	70.0	18.0	60.2	.41	86.4	77.6	,,	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒⌣≀ cumulo-strati; and ∿⌣≀ nimbi.	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°0 and 80°1. The temperature of evaporation at 4 A. M. was 57°5 least during the month, and 10°8 lower than the normal mean; at 6 A. M. the temperature of air was 65°3 lowest in the month, and 5°5 lower than the normal mean; at 10 A. M. the reading of barometer corrected for temperature was highest in the month, and about 0·062 higher than the normal mean.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	Mist around hor.	
0	B	,,	
0	B	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°1.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	Mist in hor.	
0	B	,,	
0	B	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
3	K	Patches of ∿≀ scattered about, moving SW.	
2	K	Patches of ∿≀ scattered about, moving SW.	Mean daily temperature of ground 20 and 60 inches below its surface 76°9 and 80°1. On the 15th the temperature of air at 1 P. M., and the temperature of evaporation at 2 P. M. were greatest during the month; the former was about 11°4 greater than the normal mean, and the latter was about 5°2 greater than the normal mean.
1	C	∿≀ scattered about W hor.	
1	C	,,	
2	C	∿≀ scattered about hor.	
2	C	∿ and ∿≀ scattered about W hor.	
2	B	,,	
3	B	Patches of ∿≀ in SE; ∿ scattered here and there.	
1	B	∿ scattered about hor.	
1	B	,,	
1	K	,,	
1	K	∿ scattered here and there.	
1	K	∿ scattered around hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 15th–Noon.	29.919	29.341	91°5	72°5	19°0	63°0	0.40	88°5	78°4	NE	0.2					
1 p. m.	.878	.367	94.4	71.6	22.8	59.3	.33	90.4	79.3	„	0.1		+	1		Above 10m.
2 „	.847	.010	93.0	79.5	13.5	74.4	.56	89.4	80.0	WNW	0·1		+	2		Above 10m.
3 „	.833	.018	88.5	77.8	10.7	73.5	.63	86.5	80.0	„	0.2					
4 „	.834	.045	88.0	77.0	11.0	72.6	.61	86.0	80.1	„	0.1					
5 „	.836	.006	85.8	77.4	8.4	74.1	.69	84.4	80.1	NW	0.4	None.			None.	
6 „	.862	.046	82.0	76.0	6.0	73.6	.77	81.2	80.0	NNW	0.4					
7 „	.881	.188	79.3	72.0	7.3	68.5	.71	79.5	79.6	„	0.4		+	1		Above 10m
8 „	.915	.230	78.6	71.5	7.1	68.1	.72	78.8	79.3	„	0.1		+	1		Above 10m.
9 „	.930	.211	78.1	72.3	5.8	69.7	.76	78.0	79.1	„	0.1		+	3		Above 10m.
10 „	.934	.303	77.7	69.7	8.0	65.5	.68	77.8	78.8	„	0.2		+	1		Above 10m.
11 „	.918	.303	77.0	69.0	8.0	64.9	.68	77.2	78.6	„	0.3					
Feb. 16th–Midnight	.913	.331	77.0	68.0	9.0	63.2	.64	76.8	78.4	N b W	0.0					
1 a. m.	.912	.288	76.2	69.0	7.2	65.3	.70	76.5	78.0	„	0.0		+	1		Above 10m.
2 „	.903	.280	74.4	68.4	6.0	65.3	.74	75.0	77.8	„	0.0		+	1		Above 10m.
3 „	.898	.128	75.8	73.0	2.8	71.8	.88	75.8	77.5	N	0.0					
4 „	.905	.174	74.7	71.6	3.1	70.2	.87	75.0	77.4	„	0.0		+	1		Above 10m.
5 „	.907	.197	74.6	71.0	3.6	69.3	.84	74.5	77.3	„	0.0		+	1		Above 10m.
6 „	.932	.277	73.4	69.0	4.4	66.8	.81	73.9	77.0	NNE	0.0					
7 „	.956	.291	74.9	69.8	5.1	67.3	.78	74.9	77.0	NE b N	0.1					
8 „	.985	.277	77.4	71.8	5.6	69.2	.77	77.3	77.2	„	0.1					
9 „	30.013	.326	80.0	72.0	8.0	68.3	.69	79.2	77.5	NE	0.2					
10 „	.020	.281	82.0	74.0	8.0	70.5	.69	81.0	78.0	„	0.2					
11 „	.001	.479	85.4	69.0	16.4	60.0	.44	84.0	78.4	„	0.0	None.			None.	
Noon.	29.976	.340	86.6	72.6	14.0	65.9	.52	83.6	78.8	„	0.0					
1 p. m.	.941	.263	88.2	74.2	14.0	67.8	.52	85.0	79.2	WNW	0.1					
2 „	.911	.150	87.0	76.0	11.0	71.4	.61	84.5	79.5	„	0.1					
3 „	.897	.092	86.5	77.0	9.5	73.2	.66	84.1	79.7	NW b W	0·1					
4 „	.882	.075	86.4	77.0	9.4	73.2	.66	84.5	79.9	„	0.2					
5 „	.879	.099	86.0	76.2	9.8	72.2	.65	84.3	80.2	„	0.2					
6 „	.895	.112	82.2	75.2	7.0	72.3	.74	81.0	80.0	NW	0.2					
7 „	.925	.162	80.5	74.2	6.3	71.5	.75	80.3	79.7	„	0.1					
8 „	.948	.167	78.2	74.0	4.2	72.2	.83	78.5	79.5	„	0.0					
9 „	.959	.147	77.9	74.8	3.1	73.5	.87	78.0	79.3	SW	0.0					
10 „	.963	.171	77.2	74.0	3.2	72.7	.87	77.6	79.0	„	0.0					
11 „	.953	.157	76.8	74.0	2.8	72.8	.88	77.0	78.8	„	0.0					
Feb. 17th–Midnight	.942	.165	75.8	73.2	2.6	72.0	.79	78.8	78.6	SW	0.0		+	6	4	Above 10m.
1 a. m.	.934	.192	75.0	72.0	3.0	70.6	.87	75.0	78.2	„	0.1					
2 „	.920	.152	75.0	72.7	2.3	71.7	.90	75.1	78.0	S	0.1					
3 „	.905	.179	74.2	71.3	2.9	70.6	.87	74.5	77.7	SSE	0.1					
4 „	.899	.182	74.0	71.0	3.0	69.6	.87	74.1	77.5	„	0.0					
5 „	.908	.221	73.5	70.0	3.5	68.3	.84	74.0	77.5	WNW	0.1					
6 „	.931	.210	72.7	70.7	2.0	69.8	.91	73.4	77.3	„	0·0					
7 „	.958	.208	73.6	71.8	1.8	71.0	.92	74.1	77.2	„	0·0					
8 „	.970	.180	77.4	74.0	3.4	72.6	.86	77.1	77.4	ENE	0.2					
9 „	.991	.232	78.5	73.5	5.0	71.3	.80	78.2	77.6	E	0.4					
10 „	.993	.227	80.2	74.2	6.0	71.6	.76	79.4	77.8	„	0.1					
11 „	.972	.240	82.6	74.0	8.6	70.2	.68	81.2	78.2	„	0·0					
Noon.	.941	.191	83.8	74.8	9.0	71.0	.67	81.8	78.5	W b N	0.1	None.				
1 p. m.	.902	.046	85.5	78.0	7.5	75.1	.72	83.5	79.0	WNW	0.1					
2 „	.871	.053	85.4	77.0	8.4	73.6	.69	83.5	79.2	NW	0.1					
3 „	.844	28.998	84.6	77.5	7.1	74.7	.73	82.7	79.5	„	0.3					
4 „	.839	29.003	83.7	77.0	6.7	74.3	.74	82.4	79.5	NW b N	0.3					
5 „	.843	.058	82.3	75.3	7.0	72.4	.73	81.3	79.7	„	0.3					
6 „	.839	.123	79.0	72.5	6.5	69.6	.74	79.0	79.5	NNW	0.5					
7 „	.852	.106	78.0	73.0	5.0	70.8	.79	77.8	79.2	„	0.3					
8 „	.872	.136	77.6	72.6	5.0	70.4	.79	77.7	78.9	„	0.2					
9 „	.888	.168	77.0	72.0	5.0	69.7	.79	77.0	78.7	N	0.0		+	8	6	0·53
10 „	.899	.175	76.6	72.0	4.6	69.9	.81	76.9	78.5	„	0.2		+	8	6	5.57
11 „	.883	.172	75.2	71.2	4.0	69.3	.83	75.6	78.2	„	0.0		+	6	5	1.20

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ≀⌒ cirro-strati; ⌒ cumulo-strati; and ∩≀ nimbi.	
2	K	≀ scattered around hor.	
2	C	≀ scattered in E hem.	
1	C	"	
1	C	≀ scattered along E hor.	
1	C	"	
0	K	Clear.	
0	K	"	
0	B	"	
1	B	A few clouds in hor.	
1	B	"	
0	B	Clear.	
0	K	"	Mean daily temperature of ground 20 and 60 inches below its surface 77°2 and 80°2.
0	K	Clear.	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	B	" "	
0	B	Mist in hor.	
0	B	"	
0	B	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	L	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	K	Clear; dew falling.	
0	K	Clear; dew falling.	
0	C	" "	Mean daily temperature of ground 20 and 60 inches below its surface 77°4 and 80°2.
0	C	Clear; no dew observed.	
0	C	Clear.	
0	C	"	
0	B	"	
0	B	Mist in hor.	
0	B	"	
0	B	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	K	A few ≀ visible here and there.	
0	K	"	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	K	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 18th-Midnight	29.889	29.158	76°0	72°0	4°0	70°2	0.83	76°0	78°0	NW	0.5		+	4		1.20
1 a. m.	.886	.152	76.8	72.6	4.2	70.3	.82	76.9	78.0	„	0·1		+	1		2.28
2 „	.871	.105	76.2	73.0	3.2	71.6	.86	76.3	78.0	NNW	0·1					
3 „	.855	.111	75.8	72.3	3.5	70.7	.85	76.1	77.7	„	0.1					
4 „	.860	.113	75.2	72.2	3.0	70.8	.87	75.3	77.6	„	0.0					
5 „	.864	.240	73.2	68.0	5.2	65.3	.77	73.6	77.4	„	0.0					
6 „	.876	.234	72.8	68.4	4.4	66.2	.81	73.1	77.1	N	0.0					
7 „	.890	.331	71.8	65.5	6.3	62.0	.72	72.8	76.8	„	0.0					
8 „	.910	.386	75.8	65.8	10.0	60.1	.60	76.2	76.9	„	0.1					
9 „	.930	.325	79.8	69.6	10.2	64.4	.61	77.8	77.3	NNW	0·2					
10 „	.932	.193	82.0	74.0	8.0	70.5	.69	79.5	77.6	NW b N	0.4					
11 „	.910	.177	82.4	75.0	7.4	70.2	.72	81.0	78.0	„	0.5	None.			None.	
Noon.	.887	.049	82.8	76.8	6.0	74.4	.77	81.4	78.4	„	0.2					
1 p. m.	.857	.067	83.6	75.8	7.8	72.6	.71	82.0	78.5	NW	0·2				None.	
2 „	.841	.062	84.6	75.8	8.8	72.1	.68	82.8	78.9	„	0·4					
3 „	.829	.083	84.8	75.0	9.8	70.8	.64	83.0	79.1	„	0·6					
4 „	.831	.076	84.0	75.0	9.0	71.2	.67	82.1	79.2	„	0·8					
5 „	.832	.056	81.4	74.8	6.6	72.0	.74	80.4	79.4	„	0·8					
6 „	.842	.086	78.4	73.4	5.0	71.2	.80	78.1	79.0	„	0·7					
7 „	.873	.106	77.4	73.4	4.0	71.7	.83	77.5	78.7	„	0·4					
8 „	.899	.156	77.0	72.6	4.4	70.7	.81	77.0	78.6	„	0·4					
9 „	.910	.183	76.4	72.0	4.4	70.0	.81	76.6	78.4	NNW	0·2					
10 „	.919	.148	76.4	73.2	3.2	71.8	.87	76.6	78.3	NW	0.7					
11 „	.913	.182	76.0	72.0	4.0	70.2	.83	76.2	78.3	„	0.7					
Feb. 19th-Midnight	.905	.137	76.0	73.0	3.0	71.7	.87	76.0	78.0	NW b N	0.6					
1 a. m.	.905	.130	75.4	73.0	2.4	72.6	.90	75.4	77.8	NNW	0.2					
2 „	.901	.217	73.8	70.0	3.8	68.1	.85	74.0	77.5	„	0.0					
3 „	.894	.219	73.7	69.7	4.0	67.7	.83	74.0	77.2	„	0.0					
4 „	.891	.236	73.4	69.0	4.4	66.8	.81	73.6	77.0	„	0.3					
5 „	.898	.223	72.8	69.4	3.4	67.7	.85	73.1	77.0	„	0.3					
6 „	.914	.244	72.0	69.0	3.0	67.5	.87	72.8	76.6	„	0.2					
7 „	.942	.250	72.4	69.8	2.6	68.5	.88	72.9	76.5	N	0.1		+	3		4·07
8 „	.967	.265	75.4	71.0	4.4	68.9	.81	75.4	76.5	N b E	0.2					
9 „	.977	.339	78.0	70.0	8.0	66.0	.68	77·0	77.0	NW	0.0					
10 „	.972	.296	81.0	72.0	9.0	67.8	.66	79.0	77.2	„	0·0					
11 „	.953	.118	81.0	76.2	4.8	74.3	.81	79.5	77.6	„	0·4	None.			None.	
Noon.	.934	.072	81.4	77.0	4.4	75.3	.82	80.0	77.9	NW	0.4					
1 p. m.	.900	.060	82.0	76.6	5.4	74.5	.79	80.5	78.3	„	0.4				None.	
2 „	.881	.072	82.6	76.0	6.6	73.3	.75	81.2	78.4	NNW	0·8					
3 „	.877	.064	82.3	76.0	6.3	73.5	.75	81.0	78.5	„	0.4					
4 „	.872	.098	82.2	75.0	7.2	71.9	.72	80.8	78.7	„	0.7					
5 „	.867	.075	80 6	75.0	5.6	72.7	.78	80.0	78.6	„	0.6					
6 „	.882	.091	77.6	74.1	3.5	72.6	.85	77.8	78.5	„	0·4					
7 „	.889	.091	76.6	74.0	2.6	72.9	.89	77.0	78.3	„	0·4		+	2		0.48
8 „	.913	.110	76.2	74.0	2.2	73.1	.91	76.1	78.1	„	0·1					
9 „	.924	.115	75.6	74.0	1.6	73.3	.93	76.1	78.0	„	0·0					
10 „	.927	.118	75.6	74.0	1.6	73.3	.93	76.2	77.9	„	0.0					
11 „	.927	.139	74.8	73.2	1.6	72.5	.93	75.5	77.6	„	0·0					
Feb. 21st-Midnight	.930	.145	73.8	72.8	1.0	72.4	.96	74.4	77.4	NNW	0.0					
1 a. m.	.916	.130	74.4	73.0	1.4	72.4	.94	74.9	77.4	„	0.4					
2 „	.906	.139	75.4	72.8	2.6	71.7	.89	75.6	77.3	„	0.7					
3 „	.899	.147	75.4	72 4	3.0	71.0	.87	75.6	77.2	„	0.5					
4 „	.893	.187	75.0	71.0	4 0	69.1	.83	75.1	77.1	N	0.1					
5 „	.901	.169	73.3	71.2	2.1	70.2	.91	74.0	77.0	„	0.0	None.	None.	None.	None.	None.
6 „	.925	.190	72.4	71.0	1.4	70.4	.94	73.2	76.7	„	0.0					
7 „	.951	.193	74 2	72.2	2.0	71.3	.91	74.8	76.7	NW	0.2					
8 „	.974	.171	76.2	74.0	2.2	73.1	.91	76.0	76.9	„	0·1					
9 „	.986	.183	77.6	74.4	3.2	73.1	.87	76.8	77.0	„	0·1					
10 „	.983	.156	80.0	75.7	4.3	74.0	.83	78.5	77.4	W	0.0					
11 „	.972	.145	81.0	76.0	5.0	74.0	.80	79.4	77.7	NW b W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°2.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	Mist in hor.	
0	B	,,	
0	B	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	C	A few ≀ above E, SE, and S hor.	
0	C	A few ≀ above E hor.	
0	C	,,	
0	C	Clear.	
0	K	,,	
1	K	≀ scattered about hor. from E to W.	
2	B	≀ scattered about hor.	
6	B	≀ scattered throught, moving E.	
6	B	,, ,,	
5	B	,, ,,	
4	K	,, ,,	
4	K	≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°2.
4	C	,, ,,	
5	C	,, ,,	
6	C	,, ,,	
2	C	≀ scattered about hor.	
2	B	,,	
6	B	≀ scattered throughout, moving NNE; mist in hor.	
2	B	≀ scattered here and there; mist in hor.	
2	B	≀ scattered about zth., moving E.	
4	C	≀ scattered in E hem.	
6	C	≀ and ≀≀ scattered about, moving NE.	
5	K	,, ,,	
3	K	≀ scattered about hor.	
2	K	,,	
2	K	,,	
0	C	A few ≀ above NW hor.; otherwise clear.	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Clear; dew falling.	
0	C	,, ,,	
0	C	,, ,,	
5	K	≀≀ scattered about, moving NW; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°3.
4	C	≀≀ scattered about, moving NW.	
6	C	,, ,,	
6	C	≀≀ scattered about, moving WNW.	
4	C	,, ,,	
1	B	≀≀ scattered in pieces here and there, moving N; light dew falling.	
1	B	≀≀ scattered around hor.; dew falling.	
2	B	≀≀ scattered about hor.; moving NNW.	
4	B	≀≀ scattered about, moving N; mist in hor.	
3	K	,, ,, ,,	
2	K	,, ,, ,,	
2	K	≀≀ scattered about hor.; mist in hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bull Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 21st–Noon.	29.944	29.137	81°0	75°5	5°5	73°2	0.78	79°8	78°0	NW	0.4					
1 p. m.	.904	.081	81.4	76.0	5.4	73.9	.79	80.3	78.1	,,	0.1					
2 ,,	.880	.068	82.0	75.9	6.1	73.4	.76	80.6	78.3	,,	0·2					
3 ,,	.862	.116	81.4	74.0	7.4	70.8	.71	79.7	78.4	,,	0.5					
4 ,,	.856	.099	81.0	74.2	6.8	71.2	.73	79.6	78.5	,,	0.4					
5 ,,	.864	.074	79.8	74.7	5.1	72.6	.79	78.8	78.4	,,	0.7					
6 ,,	.867	.147	77.0	72.0	5.0	69·7	.79	76.8	78.2	,,	0.5	None.	None.	None.	None.	None.
7 ,,	.882	.156	75.8	71.8	4.0	70.0	.83	75.8	77.8	,,	0.6					
8 ,,	.907	.204	75.3	71.0	4.3	69.0	.82	75.3	77.7	,,	0.6					
9 ,,	.920	.194	75.1	71.6	3.5	69.9	.85	75.1	77.5	,,	0.3					
10 ,,	.922	.165	74.7	72.3	2.4	71.3	.90	75.1	77.4	,,	0.2					
11 ,,	.918	.123	75.2	73.5	1.7	72.8	·93	75.2	77.3	,,	0.5					
Feb. 22nd-Midnight	.901	.123	74.4	72.8	1.6	72.1	.93	74.8	77.2	NW	0.4					
1 a. m.	·898	.112	74.4	73.0	1.4	72.4	.94	74.8	77.0	,,	0.5					
2 ,,	.886	.124	73.8	72.2	1.6	71.5	.93	74.2	77.0	,,	0.2					
3 ,,	.878	.118	73.4	72.0	1.4	71.4	.94	74.0	76.8	,,	0.3					
4 ,,	.878	·134	73.2	71.5	1.7	70.7	.93	73.8	76.7	,,	0·2					
5 ,,	.892	.132	73.4	72.0	1.4	71.4	.94	73.9	76.5	,,	0.5					
6 ,,	.905	.179	73.2	71.0	2.2	70.0	.90	73.7	76.5	NW b N	0.2					
7 ,,	.939	.208	73.4	71.2	2.2	70.2	.90	73.8	76.4	NNW	0.1					
8 ,,	.954	.243	75.2	71.2	4.0	69.3	.83	75.2	76.5	N b W	0.1					
9 ,,	.964	.292	76.5	70.5	6.0	67.6	.75	76.0	76.6	,,	0.2					
10 ,,	.968	.259	78.0	72.0	6.0	·69.2	.76	77·4	77.0	NNW	0·4	None.			None.	
11 ,,	.959	.271	78.6	71.6	7.0	68.3	.72	77.6	77.0	,,	0·6					
Noon.	.935	.243	79.5	72.0	7.5	68.5	.70	78.2	77.2	NW	0·4					
1 p. m.	.902	.241	79.7	71.2	8.5	67.1	.67	78.4	77.2	,,	0.5					
2 ,,	.863	.169	80.4	72.3	8.1	68.6	.68	78.8	77.4	,,	0·3					
3 ,,	.840	.136	80.8	72.7	8.1	69.0	.68	79.1	77.5	,,	0·3					
4 ,,	.841	.128	81.0	73.0	8.0	69.4	.69	79.3	77.7	,,	0.1					
5 ,,	.849	.118	80.0	73.2	6.8	70.2	.73	78.4	77.8	,,	0.2		+	2		Above 10m.
6 ,,	.865	.150	76.8	71.8	5.0	69.5	.79	76.8	77.6	,,	0.2		+	2		Above 10m.
7 ,,	.885	.163	75.5	71.6	3.9	69.8	.83	75.9	77.4	,,	0.2		+	1		Above 10m.
8 ,,	·904	.188	75.1	71.3	3.8	69.6	.84	75.3	77.2	,,	0.3		+	1		Above 10m.
9 ,,	.913	.202	74.5	71.0	3.5	69.3	.85	74.9	77.0	,,	0.2					
10 ,,	.907	.190	74.0	71.0	3.0	69.6	.87	74.5	76.9	,,	0.2					
11 ,,	.906	.224	73.4	69.8	3.6	68.0	.84	74.0	76.7	,,	0.0					
Feb. 23rd-Midnight	.907	.212	72.8	70.0	2.8	68.6	.88	72.8	76.5	NW	0.0					
1 a. m.	.888	.184	72.0	70.0	2.0	69.0	.91	72.6	76.2	,,	0.0		+	3		4.00
2 ,,	.870	.159	71.4	70.0	1.4	69.3	.94	71.9	76.0	,,	0.0		+	2		Above 10m.
3 ,,	.862	.168	71.4	69.5	1.9	68.6	.91	72.2	75.8	,,	0.1					
4 ,,	.860	.179	71.0	69.0	2.0	68.0	.91	71.8	75.6	,,	0.0					
5 ,,	.871	.169	70.7	69.5	1.2	68.9	.94	71.6	75.5	,,	0·0					
6 ,,	.895	.232	70.2	68.2	2.0	67.2	.91	71.1	75.3	,,	0·1					
7 ,,	.926	.242	70.7	69.0	1.7	68.1	.92	71.6	75.4	,,	0.1		+	3		4.15
8 ,,	.945	.231	74.3	71.0	3.3	69.5	.86	74.2	75.5	,,	0.1		+	1		Above 10m.
9 ,,	.963	.252	76.2	71.5	4.7	69.3	.80	75.4	75.8	,,	0.1		+	Out of Sc.	40	0.20
10 ,,	.968	.259	78.0	72.0	6.0	69.2	.76	77.0	76.0	NNW	0.3		+	2		2.00
11 ,,	.951	.301	78.8	70.6	8.2	66.6	.68	77.3	76.4	,,	0.2	None.				
Noon.	.933	.241	80.2	72.2	8.0	68.5	.69	78.4	76.6	,,	0.3					
1 p. m.	.897	.243	80.4	71.2	9.2	66.8	.65	78.9	76.8	,,	0.2					
2 ,,	.879	.203	81.0	72.0	9.0	67.7	.66	79.1	77.0	,,	0·1					
3 ,,	.871	.197	80.6	71.6	9.0	67.7	.66	78.9	77.1	,,	0·2					
4 ,,	.859	.178	80.5	72.0	8.5	68.0	.67	78.8	77.1	NW b N	0·2					
5 ,,	.854	.164	78.4	71.6	6.8	68.4	.73	77.2	77.3	NW b W	0·3					
6 ,,	.873	.192	75.4	70.4	5.0	68.0	.79	75.4	77.0	,,	0.2					
7 ,,	.888	.223	74.0	69.5	4.5	67.3	.81	74.0	76.7	,,	0·3		+	2		Above 10m.
8 ,,	.912	.266	73.2	68.7	4.5	66.4	.80	73.7	76.5	,,	0.3		+	2		Above 10m.
9 ,,	.926	.289	72.9	68.3	4.6	66.0	.80	73.5	76.3	,,	0.3					
10 ,,	.936	.294	72.6	68.2	4.4	66.2	.81	73.1	76.1	NW	0.3					
11 ,,	.928	.293	72.2	68.0	4.2	65.8	.81	72.7	75.9	,,	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
1	K	A few ≀≀ in hor.	
1	C	A few patches of ≀≀ along W hor.	
0	C	A few pieces of ≀≀ above NE and NW hor.	
0	C	Clear.	
0	C	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
5	K	≀≀ scattered about, moving E.	
5	K	Dense ≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°2.
4	C	Dense ≀≀ scattered about hor. and in E and S.	
3	C	Dense ≀≀ scattered about, moving SE.	
3	C	,, ,,	
2	C	Dense ≀≀ scattered about, moving SSE.	
4	B	,, ,,	
3	B	,, ,,	
4	B	,, ,,	
2	B	≀≀ scattered about hor.	
3	K	≀≀ scattered about, moving S.	
4	K	,, ,,	
3	K	≀≀ scattered about hor.	
2	K	,,	
2	C	A few ≀≀ in E; ≀ scattered about, moving E.	
1	C	≀ scattered about, moving E.	
1	C	≀ scattered about hor. from NW to SE.	
1	C	≀ scattered from WNW to NE hor.	
0	K	A few pieces of ≀≀ observed here and there.	
0	K	Clear.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
3	K	≀ scattered about.	
6	K	≀ and ≀≀ scattered throughout, both moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°1.
2	C	≀ scattered about hor.; dew falling.	
2	C	≀≀ along E hor.; ≀ scattered in W above hor.; dew falling.	
5	C	≀≀ scattered throughout, moving ESE; dew falling.	
5	C	,, ,, ,,	
1	B	Patches of ≀≀, moving SE; dew falling.	
1	B	Patches of ≀≀ scattered above NW, E, S, and SW hor.	
1	B	Pieces of ≀≀, moving SE.	
1	B	≀≀ in SW and S above hor.; ≀ above SE, S, and SW hor.	
2	K	≀≀ scattered around hor.	
2	K	≀≀ scattered around hor. and in NW and W.	
3	K	≀≀ scattered above hor.	
2	K	Patches of dense ≀≀ and ≀ scattered here and there, moving E.	
2	C	≀≀ scattered about hor., moving SE.	
3	C	≀≀ scattered about, moving SE.	
3	C	≀≀ scattered from SSE to N hor.	
2	C	≀≀ scattered from SW to N hor., moving SE.	
0	K	Clear.	
0	K	,,	
0	K	,,	
0	K	,,	
0	B	,,	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of force after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 24th-Midnight	29.913	29.283	71°7	67°7	4°0	65°6	0.82	72°4	75°7	NW	0.3					
1 a. m.	.900	·244	70.8	68.2	2.6	66.8	.88	71.6	75.5	„	0·2					
2 „	.888	.237	70.2	77.8	2.4	66.6	.89	70.4	75.3	NW b N	0.4					
3 „	.883	.250	69.4	67.0	2.4	65.8	.89	69.6	75.0	„	0.3					
4 „	.875	.238	69.0	67.0	2.0	65.9	.91	69.3	74.7	„	0·2					
5 „	.883	.276	68.8	66.0	2.8	64.5	.87	69.2	74.5	N b E	0·2					
6 „	.914	.275	69.1	67.1	2.0	66.0	.91	69.3	74.3	„	0.1					
7 „	.936	.277	69.1	67.7	1.4	67.0	.93	69.5	74.1	„	0·1		+	12	10	0·56
8 „	.959	.340	71.2	67.2	4.0	65.1	.82	71.5	74.2	NNE	0.2		+	6	4	4·15
9 „	.984	.350	73.8	68.5	5.3	65.8	.77	73.4	74.5	„	0.2					
10 „	.989	.336	76.6	70.0	6.6	66.7	.73	75.5	74.8	„	0·2		+	8	6	5·20
11 „	.961	.281	78.0	71.2	6.8	68.0	.72	76.2	75.2	N b E	0·2					
Noon.	.940	.242	79.0	72.0	7.0	68.9	.72	77.2	75.5	NNW	0.3	None.	+	2		Above 10m.
1 p. m.	.903	.179	80.0	73.0	7.0	69.9	.72	78.0	75.8	NW b N	0·5		+	2		Above 10m.
2 „	.882	.138	80.2	73.6	6.6	70.7	.73	78.9	76.0	NW	0·8		+	2		Above 10m.
3 „	.865	.104	80.0	74.0	6.0	71.4	.76	78.4	76.3	„	0.6					
4 „	.867	.101	79.5	74.0	5.5	71.6	.78	78.0	76.5	„	0·6					
5 „	.870	.111	78.5	73.5	5.0	71.3	.80	77.2	76.5	„	0.4					
6 „	.890	.136	76.0	72.6	3.4	71.1	.85	75.4	76.4	„	0.3					
7 „	.909	.167	75.0	72.0	3.0	70.6	.87	75.2	76.3	„	0·6					
8 „	.932	.223	74.7	71.0	3.7	69.2	.84	74.8	76.2	„	0.0					
9 „	.940	.227	74.4	71.0	3.4	69.4	.85	74.6	76.2	„	0.2					
10 „	.936	.219	74.0	71.0	3.0	69.6	.87	74.4	76.2	„	0.0					
11 „	.926	.216	73·0	70.5	2.5	69.3	.89	73.6	76.0	„	0.0					
Feb. 25th-Midnight	.928	.219	72.2	70.2	2.0	69.2	.91	72.0	75.8	NW	0.0		+	Out of Sc.	40	0·25
1 a. m.	.909	.188	71.4	70.3	1.1	69.8	.95	71.8	75.5	„	0.0		+	Out of Sc.	28	0.44
2 „	.897	.182	71.0	70.0	1.0	69.5	.95	71.6	75.3	„	0.0					
3 „	.885	.170	71.0	70.0	1.0	69.5	.95	71.6	75.3	„	0.0					
4 „	.883	.165	70.7	70.0	0.7	69.6	.97	71.3	75.0	„	0.0					
5 „	.888	.138	71.0	71.0	0.0	71.0	1.00	71.8	75.0	„	0.0					
6 „	.898	.166	71·0	70.5	0.5	70.2	0.98	71.5	75.0	„	0.0					
7 „	.916	.168	71.2	71.0	0.2	70.9	.99	72.0	74.8	„	0.1					
8 „	.942	.192	74.3	72.0	2.3	71.0	.90	74.0	75·1	NW b N	0.0					
9 „	.972	.223	76.0	72.5	3.5	70.9	.85	75.2	75.4	„	0.0					
10 „	.971	.227	78.2	73.0	5.2	70.7	.79	76.6	75.7	„	0.0					
11 „	.950	·216	80.4	73.4	7.0	70.3	.72	78.2	76.0	„	0·0					
Noon.	.914	.159	81.2	74.2	7.0	71.2	.73	79.0	76.4	„	0.0	None.				
1 p. m.	.880	.089	82.5	75.5	7.0	72.6	.73	80.4	76.5	„	0.2					
2 „	.845	.001	83.0	77.0	6.0	74.6	.77	81.4	77.0	NW	0.5					
3 „	.833	28.995	83.5	77.0	6.5	74.4	.75	81.8	77.4	„	0.5					
4 „	.827	.978	82.6	77.0	5.6	74.8	.78	81.0	77.5	„	0.4					
5 „	.832	.991	81.5	76.5	5.0	74.5	.80	80.2	77.8	„	0.4					
6 „	.848	29.005	78.8	75.8	3.0	74.6	.88	78.4	77.8	NW b N	0.4					
7 „	.875	.048	77.6	74.8	2.8	74.0	.88	77.4	77.6	„	0.8					
8 „	.894	.983	77.2	74.5	2.7	73.4	.89	77.0	77.5	„	0.6					
9 „	.913	.122	76.6	73.8	2.8	72.7	.88	76.3	77.4	NNW	0.2					
10 „	.918	.153	75.6	72.8	2.8	71.6	.88	75.6	77.2	„	0.0					
11 „	.920	.167	74.0	72.0	2.0	71.1	.91	74.5	77.0	„	0·0					
Feb. 26th-Midnight	.915	.189	73.2	71.0	2.2	69.9	.90	74.0	76.7	NNW	0·0					
1 a. m.	.901	.154	73.6	71.7	1.9	70.9	.91	74.0	76.5	„	0.0					
2 „	.890	.126	73.0	72.0	1.0	71.5	.95	73.5	76.2	„	0.0					
3 „	.880	.095	73.8	72.8	1.0	72.4	.96	74.0	76.3	„	0.0					
4 „	.878	.098	73.6	72.6	1.0	72.2	.96	74.0	76.4	„	0·0	None:	None.	None.	None.	None.
5 „	.887	.110	73.1	72.4	0.7	72.0	.97	73.6	76.2	„	0.0					
6 „	.905	.133	73.6	72.4	1.2	71.9	.95	74.0	76.1	„	0.0					
7 „	.927	.176	74.2	72.0	2.2	71.0	.90	74.3	76.1	„	0.0					
8 „	.943	.152	76.2	73.7	2.5	72.7	.89	75.9	76.3	ENE	0·2					
9 „	.953	.175	77.8	73.8	4.0	72.1	.83	77.0	76.5	„	0.2					
10 „	.953	.180	79.6	74.2	5.4	71.9	.78	78.2	76.8	„	0.0					
11 „	.932	.167	81.7	74.7	7.0	71.8	.73	79.9	77.1	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°0.
2	C	Dense ≀≀ scattered about W hor.	
6	C	Dense ≀≀ scattered in W hem., moving SE.	
3	C	Dense ≀≀ scattered about hor.	
2	C	≀≀ scattered from SE to NW hor.	
2	B	"	
0	B	Patches of ≀≀ scattered from S to NNW hor.	
0	B	A few patches of ≀≀ along W hor.; mist in hor.	
0	B	Mist in hor.	
0	K	"	
0	K	"	
0	C	"	
0	K	Clear.	
0	K	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	K	Clear; dew falling.	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	Mist in hor.	
0	B	"	
0	B	"	
0	K	"	
0	K	"	
0	K	Clear.	
0	K	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	B	Clear, except in hor.	
0	B	Clear; dew falling.	
0	B	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°0. The reading of barometer at 4 P.M. was 29.802 lowest during the month, and about 0.047in. lower than the normal mean.
0	C	" "	
0	C	" "	
0	K	" "	
0	K	" "	
0	B	" "	
0	B	Mist in hor.	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	B	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 26th-Noon.	29.894	29.027	83°4	77°7	5°7	75°5	0.78	81°4	77°6	NNW	0.2					
1 p. m.	.857	.024	84.0	77.0	7.0	74.2	.73	81.8	78.0	WSW	0.2					
2 „	.829	28.987	85.0	77.5	7.5	74.5	.72	82.9	78.3	„	0.2					
3 „	.811	.949	85.0	78.0	7.0	75.3	.74	83.0	78.6	W b S	0.3					
4 „	.802	.919	85.0	78.5	6.5	76.0	.75	83.2	78.8	„	0.3					
5 „	.806	.928	83.5	78.0	5.5	75.9	.79	82.8	78.9	W	0.1	None.	None.	None.	None.	None.
6 „	.826	.951	80.2	77.0	3.2	75.8	.87	79.9	78.7	NW b W	0.2					
7 „	.842	.967	78.6	76.6	2.0	75.8	.92	78.9	78.6	NW	0.1					
8 „	.864	29.004	78.0	76.0	2.0	75.2	.92	78.2	78.5	„	0.0					
9 „	.882	.032	76.8	75.4	1.4	74.8	.94	77.0	78.4	„	0.0					
10 „	.883	.042	76.2	75.0	1.2	74.5	.95	76.4	78.2	„	0.0					
11 „	.882	.020	76.0	75.5	0.5	75.3	.98	76.6	78.0	„	0.0					
Feb. 27th-Midnight	.874	.005	75.8	75.6	0.2	75.5	.99	76.2	77.9	N b W	0.0					
1 a. m.	.853	.001	75.2	75.0	0.2	74.9	.99	75.8	77.7	„	0.0					
2 „	.846	.003	74.6	74.6	0.0	74.6	1.00	75.4	77.5	„	0.0					
3 „	.823	28.970	74.4	74.8	0.4	75.0	1.02	75.0	77.4	„	0.0					
4 „	.823	.980	74.6	74.6	0.0	74.6	1.00	75.0	77.2	„	0.0					
5 „	.824	29.013	73.4	73.4	0.0	73.4	1.00	74.0	77.2	„	0.0					
6 „	.850	.049	73.0	73.0	0.0	73.0	1.00	73.6	77.0	„	0.0					
7 „	.883	.066	73.6	73.6	0.0	73.6	1.00	74.2	77.0	„	0.0					
8 „	.913	.086	76.8	74.8	2.0	74.0	0.91	76.5	77.0	„	0.0					
9 „	.928	.101	79.6	75.6	4.0	74.0	0.84	78.6	77.5	„	0.1					
10 „	.934	.099	81.3	76.3	5.0	74.3	.80	80.0	77.8	„	0.1	None.	None.	None.	None.	None.
11 „	.927	.092	82.0	76.5	5.5	74.3	.78	80.5	78.0	„	0.2					
Noon.	.888	.075	83.3	76.3	7.0	73.4	.73	81.5	78.4	NNW	0.3					
1 p. m.	.861	.036	84.7	77.0	7.7	73.9	.71	82.5	78.7	WNW	0.3					
2 „	.839	.051	84.5	76.0	8.5	72.5	.68	82.6	79.0	NW b W	0.3					
3 „	.819	.046	84.5	75.6	9.8	71.9	.67	82.8	79.1	„	0.3					
4 „	.813	.058	84.0	75.0	9.0	71.2	.67	82.1	79.3	„	0.2					
5 „	.819	.053	83.0	75.0	8.0	71.6	.70	81.5	79.4	„	0.3					
6 „	.843	.082	80.0	74.0	6.0	71.4	.76	79.6	79.2	„	0.2					
7 „	.872	.095	78.5	74.0	4.5	72.0	.81	78.5	79.0	„	0.4					
8 „	.897	.117	77.6	73.8	3.8	72.2	.84	77.8	78.8	„	0.2					
9 „	.910	.133	.772	73.6	3.6	72.1	.85	77.3	78.6	„	0.0					
10 „	.913	.142	75.7	73.0	2.7	71.8	.87	76.2	78.5	„	0.0					
11 „	.911	.153	75.2	72.5	2.7	71.3	.88	75.8	78.2	„	0.0					
Feb. 28th-Midnight	.907	.161	74.6	72.0	2.6	70.8	.89	75.0	78.0	NW b W	0.0					
1 a. m.	.887	.106	73.8	73.0	1.8	72.2	.92	75.0	77.7	„	0.0					
2 „	.873	.120	74.0	72.0	2.0	71.1	.91	74.6	77.5	„	0.0					
3 „	.866	.113	74.0	72.0	2.0	71.1	.91	74.8	77.4	„	0.0					
4 „	.867	.130	73.4	71.8	1.6	70.4	.93	74.4	77.2	„	0.0					
5 „	.969	.102	74.0	72.4	1.6	71.7	.93	74.8	77.2	NW	0.0					
6 „	.891	.120	74.7	72.7	2.0	71.8	.91	75.1	77.1	„	0.2					
7 „	.918	.139	75.0	73.0	2.0	72.1	.91	75.2	77.1	„	0.1					
8 „	.939	.172	77.4	73.4	4.0	71.7	.83	77.0	77.4	„	0.2					
9 „	.953	.190	79.2	73.8	5.4	71.5	.78	78.4	77.6	NW b N	0.2					
10 „	.955	.189	80.2	74.2	6.0	71.6	.76	79.2	77.8	NNW	0.2	None.	None.	None.	None.	None.
11 „	.936	.148	81.0	75.0	6.0	72.5	.76	80.0	78.2	„	0.4					
Noon.	.910	.127	82.2	75.2	7.0	72.3	.73	81.0	78.4	NW	0.4					
1 p. m.	.877	.109	82.8	75.0	7.8	71.7	.70	81.7	78.5	„	0.4					
2 „	.846	.091	82.6	74.6	8.0	71.2	.70	81.2	78.7	„	0.3					
3 „	.831	.096	82.4	74.0	8.4	70.3	.68	81.0	78.8	„	0.5					
4 „	.834	.127	81.5	73.0	8.5	69.2	.68	80.4	79.0	NW b N	0.8					
5 „	.847	.150	80.4	72.4	8.0	68.7	.69	79.4	78.8	„	0.7					
6 „	.862	.171	78.2	71.6	6.6	68.5	.73	78.0	78.6	„	0.8					
7 „	.880	.186	77.4	71.4	6.0	68.6	.75	77.2	78.5	„	1.0					
8 „	.905	.209	77.2	71.4	5.8	68.6	.76	77.2	78.4	NW	0.6					
9 „	.914	.207	76.8	71.5	5.3	69.1	.78	76.7	78.3	NW b W	0.8					
10 „	.907	.183	76.6	72.0	4.6	69.9	.81	76.6	78.1	„	0.7					
11 „	.901	.189	76.1	71.5	4.6	69.4	.81	76.1	78.0	NW	0.5					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
0	B	Mist in hor.	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	C	Clear; dew falling.	
0	C	" "	
0	K	" "	
0	K	" "	
0	B	" "	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°7 and 80°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	" "	
0	K	Dense ≀ in E hor.	
6	K	≀ scattered throughout, moving E.	
0	B	A few ≀ along W hor.	
0	B	Mist in hor.	
0	B	"	
0	B	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	K	Clear; dew falling.	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°0.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
2	B	Dense ≀≀ scattered about, moving SE; dew falling.	
4	B	≀≀ scattered about, moving SE; dew falling.	
2	B	≀≀ scattered around hor.	
1	B	Pieces of ≀≀ scattered about, moving SSE.	
2	K	Dense ≀≀ scattered about hor., moving E.	
2	K	Dense ≀ scattered about hor.	
0	K	Clear.	
0	K	"	
1	C	Light ≀ scattered in E of zth.	
1	C	"	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	A few ≀ above W hor.	
0	B	Clear, except in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 3rd-Midnight	29.827	29.140	74°2	70°2	4°0	68°2	0.83	74°6	77°4	NW b W	0·5					
1 a. m.	.811	.089	72.9	70.8	2.1	69.8	.91	73.6	77.1	,,	0·0					
2 ,,	.801	.087	72.4	70.4	2.0	69.4	.91	73.2	76.8	,,	0.0					
3 ,,	.789	.055	72.2	70.9	1.3	70.3	.94	73.2	76.7	SW b S	0.0					
4 ,,	.793	.070	72.1	70.6	1.5	69.8	.93	73.2	76.6	S b W	0.0					
5 ,,	.795	.079	72.2	70.4	1.8	69.6	.92	73.2	76.5	,,	0.0					
6 ,,	.820	.125	72.8	70.0	2.8	68.6	.88	73.6	76.5	W b N	0.2					
7 ,,	.842	.178	73.2	69.2	4.0	67.2	.82	73.9	76.5	NW	0.1					
8 ,,	.874	.213	74.4	69.5	4.9	67.1	.79	74.6	76.5	,,	0·3					
9 ,,	.892	.251	75.6	69.3	6.3	66.2	.74	75.4	76.5	NW b N	0.4					
10 ,,	.896	.272	77.4	69.4	8.0	65.3	.68	76.4	76.6	NNW	0.3	None.			None.	
11 ,,	.879	.277	78.2	69.0	9.2	64.3	.64	77.0	76.8	,,	0.5					
Noon.	.865	.256	79.7	69.7	10.0	64.6	.62	78.0	76.9	NW b N	0.3					
1 p. m.	.838	.169	80.7	71.7	9.0	67.5	.65	78.8	77.1	WNW	0·4					
2 ,,	.815	.258	80.8	68.5	12.3	61.9	.54	78.9	77.3	,,	0.6		+	1		Above 10m.
3 ,,	.799	.258	80.7	68.0	12.7	60.0	.53	79.1	77.4	NW b W	0·8		+	1		Above 10m.
4 ,,	.795	.235	80.5	68.5	12.0	62.1	.55	79.2	77.5	,,	0·6		+	1		Above 10m.
5 ,,	.804	.255	80.0	68.0	12.0	61.4	.55	78.5	77.5	W b N	0·2		+	1		Above 10m.
6 ,,	.824	.250	76.2	67.5	8.7	62.8	.65	76.0	77.2	WNW	0.4					
7 ,,	.830	.287	74.6	66.0	8.6	61.1	.65	74.6	76.9	,,	0.3					
8 ,,	.844	.262	74.0	67.0	7.0	63.2	.70	74.0	76.7	NW b W	0.2					
9 ,,	.857	.288	73.8	66.5	7.3	62.6	.69	74.0	76.7	WNW	0.2					
10 ,,	.853	.294	73.2	66.0	7.2	62.0	.71	73.4	76.4	,,	0.3					
11 ,,	.841	.302	73.2	65.4	7.8	60.9	.67	73.2	76.3	,,	0.2					
Mar. 4th-Midnight	.829	.272	72.8	65.8	7.0	61.9	.70	72.8	76.2	WNW	0.0					
1 a. m.	.805	.254	72.5	75.5	7.0	61.6	.70	72.6	76.0	,,	0.2					
2 ,,	.802	.253	72.0	65.3	6.7	61.6	.71	72.3	75.7	NW	0.4					
3 ,,	.795	.283	71.7	64.0	7.7	59.4	.67	71.9	75.6	,,	0.3					
4 ,,	.794	.262	71.3	64.5	6.8	60.5	.70	71.7	75.4	NW b N	0.3					
5 ,,	.812	.316	71.3	63.3	8.0	58.4	.65	71.5	75.2	NNW	0.1					
6 ,,	.838	.227	71.4	67.0	4.4	64.7	.81	71.5	75.0	NE	0.2					
7 ,,	.856	.223	72.4	68.0	4.4	65.7	.81	72.6	75.1	ENE	0.2					
8 ,,	.877	.264	73.0	67.6	5.4	64.8	.77	73.0	75.2	E	0.2					
9 ,,	.899	.295	75.0	68.0	7.0	64.3	.71	74.8	75.4	,,	0.3		+	10	8	1.10
10 ,,	.904	.325	77.8	68.2	9.6	63.0	.62	76.5	75.6	,,	0.2	None.	+	8	6	3.25
11 ,,	.890	.343	79.0	67.6	11.4	61.4	.56	77.4	76.0	,,	0.1		+	2		5.00
Noon.	.865	.190	80.4	71.8	8.6	67.7	.67	78.2	76.4	,,	0.1		+	4		2.10
1 p. m.	.840	.046	81.5	75.3	6.2	72.8	.76	79.5	76.6	WNW	0.2		+	2		Above 10m.
2 ,,	.815	.210	81.8	70.3	11.5	64.4	.57	79.8	76.8	,,	0.3		+	2		Above 10m.
3 ,,	.797	.183	81.7	70.5	11.2	64.9	.58	80.4	77.0	,,	0.6		+	2		Above 10m.
4 ,,	.793	.210	81.4	69.5	11.9	63.2	.56	80.0	77.3	,,	0.5					
5 ,,	.805	.223	80.0	69.0	11.0	63.2	.58	78.4	77.5	,,	0.3					
6 ,,	.810	.217	76.0	68.0	8.0	63.8	.67	75.8	77.0	NW b W	0.1					
7 ,,	.820	.198	74.6	68.4	6.2	65.3	.74	74.9	76.6	,,	0.0					
8 ,,	.833	.251	74.0	67.0	7.0	63.2	.70	74.4	76.5	,,	0.0					
9 ,,	.843	.261	73.4	66.8	6.6	63.2	.72	73.8	76.4	WNW	0.0					
10 ,,	.845	.269	73.0	66.5	6.5	62.9	.72	73.4	76.3	NW b W	0·0					
11 ,,	.840	.268	72.0	66.0	6.0	62.7	.74	72.6	76.1	,,	0.0					
Mar. 5th-Midnight	.838	.258	71.8	66.2	5.6	63.1	.75	72.4	75.8	NW b W	0.0					
1 a. m.	.827	.246	71.2	66.0	5.2	63.2	.77	72.0	75.6	,,	0.0					
2 ,,	.805	.220	70.8	66.0	4.8	63.3	.79	71.5	75.5	,,	0.0					
3 ,,	.795	.218	69.8	65.4	4.4	63.0	.80	70.6	75.2	NW	0.0					
4 ,,	.791	.213	69.7	65.4	4.3	63.0	.80	70.6	75.1	NNW	0·0	None.			None.	
5 ,,	.810	.191	70.6	67.0	3.6	65.1	.84	71.2	74.9	NNE	0.0					
6 ,,	.832	.223	70.4	66.6	3.8	64.6	.83	71.0	74.8	NE	0.0					
7 ,,	.864	.260	72.0	67.0	5.0	64.4	.78	72.0	74.9	,,	0·0					
8 ,,	.890	.251	74.8	69.0	5.8	66.0	.75	74.3	75.2	,,	0.1					
9 ,,	.896	.249	76.0	69.6	6.4	66.5	.73	75.0	75.4	,,	0.2		+	2		Above 10m.
10 ,,	.893	.255	78.0	70.0	8.0	66.0	.68	77.0	75.6	,,	0.2		+	2		Above 10m.
11 ,,	.877	.262	79.4	69.8	9.6	64.9	.63	78.0	76.0	NE b E	0·1		+	2		Above 10m.

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ⌣ cirro-strati; ≥⌣ cumulo-strati; and ≥⌣ nimbi.	
8	K	Overcast with ≤⌣ and ≤≥; drops of rain falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°9 and 80°0.
8	B	Overcast with ≤⌣, moving NE; rain ceased at 1h. 58m.	
8	B	Overcast with ≤⌣, moving E.	
7	B	≤⌣ scattered throughout, moving E.	
5	B	≤⌣ scattered about, moving ESE.	
7	C	" "	
8	C	Overcast with ≤⌣, moving SE.	
7	C	Densely clouded with ≤⌣ and ≤≥.	
8	C	Overcast with ≤⌣ and ≤≥, both moving ESE.	
7	K	≤⌣ and ≤≥ scattered throughout.	
4	K	≤⌣ scattered about hor.	
4	K	≤⌣ scattered about, moving NE.	
3	K	≤≥ scattered about hor.	
3	B	≤≥ around hor.; ≤ scattered about zth.	
0	B	A few clouds around hor.	
0	B	A few clouds in NE about hor.	
0	B	≥ scattered along E hor.	
0	C	A few ≤≥ in E above hor.	
1	C	≤≥ scattered around hor., except in N.	
1	C	≤≥ scattered in W hor.	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°0.
0	B	"	
0	B	"	
0	B	"	
0	B	A few pieces of ≤≥ in E and S above hor.	
2	C	≤⌣ scattered in E hem., moving SE.	
6	C	≤⌣ scattered throughout, moving SSE.	
6	C	≤⌣ scattered throughout, moving ESE.	
8	C	Overcast with ≤≥ and ≤⌣, moving SE.	
7	K	Densely clouded with ≤⌣, moving SE.	
7	K	≤⌣ and ≤≥ scattered throughout.	
4	K	≤≥ scattered about hor.	
4	K	"	
1	B	≤≥ scattered around hor. from N to W.	
0	B	Patches of ≤≥ along E hor.	
0	B	"	
0	B	Two patches of ≤≥ about E hor.	
0	C	Clear.	
0	C	A few patches of ≤≥ along E hor.	
0	C	Cloudless.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°0. The height of barometer at 4 P. M. was 29.752in. lowest in the month, and about 0.081in. lower than the normal mean; the temperature of air at 4 A. M. was lowest in the month, and about 3°9 lower than the normal mean.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	Patches of ≤≥ in W, moving SE.	
1	C	≤≥ scattered about hor. from SE to NW.	
2	C	Pieces of ≤≥ scattered here and there, moving SE.	
5	C	≤≥ scattered about, moving SE.	
3	K	Patches of ≤≥ scattered about.	
2	K	Patches of ≤≥ scattered about hor.	
2	K	Patches of ≤≥ scattered about, moving S.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 5th—Noon.	29.847	29.252	80°0	69°4	10°6	63°9	0.60	78°0	76°2	W b N	0.2					
1 p. m.	.806	.181	81.5	70.8	10.7	65.4	.60	79.8	76.6	WNW	0.3					
2 „	.783	.126	81.8	71.8	10.0	67.0	.62	79.9	76.8	„	0.3					
3 „	.760	.115	82.2	71.5	10.7	66.4	.60	80.5	77.0	„	0.3					
4 „	.752	.125	81.5	70.8	10.7	65.5	.60	80.0	77.3	„	0.4					
5 „	.754	.115	79.8	70.6	9.2	66.0	.64	78.7	77.2	„	0.2	None.	None.	None.	None.	None.
6 „	.772	.138	76.5	69.4	7.1	65.8	.71	76.4	77.0	NW b W	0.2					
7 „	.790	.157	75.4	69.0	6.4	65.7	.73	75.5	76.9	„	0.2					
8 „	.808	.171	75.0	69.0	6.0	66.0	.75	75.0	76.6	NW	0.2					
9 „	.830	.171	74.6	69.5	5.1	67.0	.78	74.9	76.5	NW b W	0.2					
10 „	.840	.186	74.4	69.3	5.1	66.7	.78	74.7	76.5	NW	0.3					
11 „	.834	.156	74.4	70.0	4.4	67.9	.81	74.6	76.3	NW b N	0.2					
Mar. 7th—Midnight	.844	.148	74.6	70.6	4.0	68.6	.83	74.8	76.8	W b N	0.0					
1 a. m.	.832	.138	73.8	70.3	3.5	68.6	.85	74.5	76.6	„	0.0					
2 „	.810	.106	73.6	70.5	3.1	69.0	.87	73.9	76.6	„	0.0					
3 „	.805	.097	73.2	70.5	2.7	69.2	.88	73.4	76.4	WNW	0·2					
4 „	.806	.092	72.4	70.4	2.0	69.4	.91	72.9	76.2	„	0.2					
5 „	.820	.112	71.6	70.0	1.6	69.2	.93	72.0	76.0	„	0.0					
6 „	.850	.158	71.2	69.4	1.8	68.5	.92	71.7	75.8	N	0.0					
7 „	.881	.151	72.8	71.0	1.8	70.1	.92	73.4	76.0	N b E	0.0					
8 „	.908	.199	75.4	71.2	4.2	69.2	.82	75.4	76.1	„	0.0					
9 „	.931	.205	77.8	72.4	5.4	70.0	.78	77.0	76.3	NE	0.1					
10 „	.941	.229	79.0	72.4	6.6	69.4	.74	78.4	76.5	„	0.1					
11 „	.925	.196	80.2	73.2	7.0	70.1	.72	79.0	76.7	NNW	0.2	None.			None.	
Noon.	.898	.169	81.6	73.6	8.0	70.1	.69	79.6	77.0	NW	0.2					
1 p. m.	.873	.134	82.2	74.0	8.2	70.5	.69	80.5	77.4	WNW	0.2				None.	
2 „	.850	.104	82.8	74.4	8.4	70.8	.68	81.1	77.7	NW b W	0.2					
3 „	.843	.123	82.7	73.7	9.0	69.7	.66	81.3	78.0	„	0.2					
4 „	.852	.117	82.4	74.0	8.4	70.4	.68	81.0	78.2	WNW	0.5					
5 „	.871	.147	80.5	73.2	7.3	69.9	.72	79.4	78.2	„	0.4		+	1		Above 10m.
6 „	.893	.186	77.2	71.7	5.5	69.1	.77	77.0	78.0	„	0.5		+	1		Above 10m.
7 „	.907	.214	76.2	71.0	5.2	68.4	.78	76.1	77.6	NW b W	0.5		+	1		Above 10m.
8 „	.929	.231	75.7	71.0	4.7	68.8	.80	75.9	77.4	„	0.2		+	1		Above 10m.
9 „	.941	.255	75.2	70.5	4.7	68.2	.80	75.4	77.4	NW	0.2					
10 „	.940	.234	75.0	71.0	4.0	69.1	.83	75.3	77.2	„	0.3					
11 „	.934	.235	75.0	70.8	4.2	68.8	.82	75.2	77.1	„	0.3					
Mar. 8th—Midnight	.918	.217	74.8	70.8	4.0	68.9	.83	75.0	76.9	NW	0.3					
1 a. m.	.897	.205	74.4	70.4	4.0	68.5	.83	74.9	76.7	NW b N	0.0					
2 „	.885	.203	74.0	70.0	4.0	68.0	.83	74.6	76.7	NNW	0.0					
3 „	.868	.189	73.6	69.8	3.8	67.9	.83	73.9	76.6	N b W	0.0					
4 „	.863	.184	73.3	69.7	3.6	67.9	.84	73.6	76.4	„	0.0					
5 „	.871	.174	72.6	70.0	2.6	68.7	.88	73.0	76.4	N b E	0.0					
6 „	.888	.201	72.2	69.6	2.6	68.3	.88	72.3	76.3	„	0.0					
7 „	.910	.217	73.0	70.0	3.0	68.5	.88	73.0	76.1	„	0.0					
8 „	.934	.235	75.6	71.0	4.6	68.8	.81	75.5	76.2	NNE	0.0					
9 „	.950	.228	78.1	72.4	5.7	69.8	.77	77.5	76.5	NE	0.2					
10 „	.956	.268	78.6	71.6	7.0	68.3	.72	77.5	76.7	NE b E	0.0					
11 „	.943	.235	80.8	72.8	8.0	69.2	.69	79.0	77.0	NW	0.3	None.			None.	
Noon.	.919	.196	81.4	73.4	8.0	69.8	.69	79.8	77.2	„	0.3					
1 p. m.	.881	.158	82.5	73.8	8.7	69.8	.67	80.4	77.6	NW b N	0.2		None.	None.		None.
2 „	.871	.135	82.9	74.2	8.7	70.4	.67	81.2	77.8	WNW	0.3				None.	
3 „	.867	.226	81.8	74.0	7.8	70.6	.70	80.5	78.0	NW b W	0.8					
4 „	.868	.127	81.8	74.0	7.8	70.6	.70	80.6	78.2	NW	0.8					
5 „	.882	.160	80.2	73.0	7.2	69.8	.72	79.2	78.2	„	0.7					
6 „	.896	.180	77.4	72.0	5.4	69.6	.78	77.0	78.0	„	0.6					
7 „	.913	.186	76.4	72.0	4.4	70.0	.81	76.4	77.8	„	0.8					
8 „	.928	.197	76.0	72.0	4.0	70.2	.83	76.0	77.5	NW b N	0.5					
9 „	.937	.221	75.4	71.4	4.0	69.5	.83	75.6	77.5	„	0.5					
10 „	.942	.226	75.4	71.4	4.0	69.5	.83	75.6	77.4	„	0.3					
11 „	.920	.214	75.0	71.0	4.0	69.1	.83	75.2	77.2	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀∩ nimbi.	
0	K	A few pieces of ≀≀ above N hor.	
0	B	"	
0	B	"	
0	B	"	
0	B	Clear.	
0	C	"	
0	C	A few ≀ in W, otherwise clear.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	A few pieces of ≀≀ in E, moving SE.	
0	C	≀≀ scattered about hor., moving SE.	
6	K	≀≀ scattered throughout, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°0.
2	B	Patches of ≀≀ scattered about, moving S.	
1	B	Patches of ≀≀ scattered around hor.	
0	B	Clear; dew falling.	
0	B	" "	
1	C	≀≀ scattered above E hor.; dew falling.	
2	C	≀≀ scattered about hor.	
5	C	≀≀ scattered about, moving ESE.	
2	C	≀≀ scattered about hor.	
3	K	≀≀ scattered about, moving SE.	
3	K	≀≀ scattered about, moving SW.	
0	K	A few pieces of ≀≀ above N and NE hor.	
0	K	Clear.	
0	B	A few pieces of ≀≀ along W hor.	
0	B	"	
0	B	Clear.	
1	B	≀≀ scattered from S to NW hor.	
1	C	"	
3	C	≀≀ scattered about, moving ESE.	
2	C	≀≀ scattered about hor.	
2	C	"	
2	K	"	
6	K	≀≀ scattered throughout, moving E.	
3	K	≀≀ scattered about hor.	
3	K	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°0.
3	B	"	
3	B	"	
3	B	"	
1	B	≀≀ scattered around hor.	
1	C	≀≀ scattered around hor.; dew falling.	
2	C	"	
5	C	≀≀ scattered about, moving SE; mist around hor.	
2	C	≀≀ scattered about hor. from SSE to N; mist around hor.	
2	K	≀≀ scattered about hor.	
2	K	"	
0	K	Clear.	
0	K	"	
1	B	≀≀ along W hor.; ≀ scattered from E to SW hor.	
1	B	" "	
1	B	≀≀ in W and N above hor.; ≀ scattered from E to SW hor.	
1	B	" "	
0	C	A few pieces of ≀≀ above W hor.	
2	C	≀≀ scattered about hor., moving SE.	
0	C	Clear, except in hor.	
0	C	" "	
0	K	" "	
0	K	A few pieces of ≀≀ around hor.	
1	K	≀≀ scattered about hor.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 9th-Midnight	29.911	29.201	74°6	71°0	3°6	69°3	0.84	75°0	77°0	NW b N	0.2					
1 a. m.	.887	.165	74·6	71.3	3.3	69.8	.86	74.6	77.0	„	0.1					
2 „	.864	.147	74·0	71.0	3.0	69.6	.87	74.1	76.8	„	0.1					
3 „	.851	.127	73.4	71.0	2.4	69.9	.89	73.5	76.6	N	0.0					
4 „	.845	.132	72.8	70.5	2.3	67.4	.90	73.2	76.4	„	0.0					
5 „	.863	.131	72.6	71.0	1.6	70.2	.93	73.0	76.2	„	0.0					
6 „	.890	.162	73.0	71.0	2.0	70.1	.91	73.1	76.2	„	0.0					
7 „	.914	.192	73.5	71.0	2.5	69.8	.89	73.9	76.2	N b E	0.0					
8 „	.934	.216	75.2	71.4	3.8	69.6	.84	75.4	76.5	„	0.1					
9 „	.946	.179	78.4	73.7	4.7	71.6	.81	78.0	76.6	N	0.2					
10 „	.946	.189	80.4	74.0	6.4	71.3	.75	79.2	77.0	NNW	0.5					
11 „	.932	.209	81.4	73.4	8.0	69.8	.69	80.0	77.4	„	0.5	None.	None.	None.	None.	None.
Noon.	.902	.143	81.6	74.4	7.2	71.3	.72	80.2	77.6	„	0.5					
1 p. m.	.872	.133	82.0	74.0	8.0	70.5	.69	80.6	77.8	NW	0.6					
2 „	.851	.086	82.6	74.8	7.6	71.6	.71	81.1	78.1	„	0.8					
3 „	.831	.057	82.3	75.0	7.3	71.9	.72	81.1	78.4	„	0.8					
4 „	.829	.065	81.8	74.6	7.2	71.5	.72	80.7	78.5	„	0.8					
5 „	.830	.092	80.0	73.4	6.6	70.5	.74	79.1	78.5	„	0.6					
6 „	.839	.089	77.6	73.0	4.6	71.0	.81	77.5	78.2	„	0.5					
7 „	.853	.094	76.8	73.0	3.8	71.3	.84	77.0	77.8	„	0.6					
8 „	.873	.112	76.6	73.0	3.6	71.4	.85	76.9	77.8	NW b N	0.2					
9 „	.873	.104	76.6	73.2	3.4	71.7	.86	76.6	77.8	„	0.4					
10 „	.870	.104	76.2	73.0	3.2	71.6	.86	76.2	77.7	„	0.6					
11 „	.873	.124	76.0	72.5	3.5	70.9	.85	76.0	77.5	„	0.4					
Mar 10th-Midnight	.862	.113	76·0	72.5	3.5	70.9	.85	76.0	77.5	NNW	0.3					
1 a. m.	.850	.085	74.6	72.5	2.1	71.6	.91	74.7	77.4	„	0.2					
2 „	.839	.081	74.2	72.2	2.0	71.3	.91	74.2	77.2	„	0.3					
3 „	.830	.087	73.6	71.6	2.0	70.7	.91	74.2	77.0	„	0.2					
4 „	.830	.057	73.5	72.4	1.1	71.9	.95	74.0	76.9	„	0.1					
5 „	.844	.055	73.4	72.8	0.6	72.6	.97	73.8	76.7	„	0.1					
6 „	.861	.067	73.6	73.0	0.6	72.8	.97	73.9	76.7	„	0.2					
7 „	.890	.101	74.1	73.0	1.1	72.6	.95	74.4	76.7	N b W	0.0					
8 „	.914	.101	77.0	74.5	2.5	73.5	.89	77.0	77.0	„	0.1					
9 „	.928	.119	79.1	75.0	4.1	73.3	.83	78.5	77.2	NNW	0.2					
10 „	.923	.124	81.4	75.4	6.0	73.0	.76	80.2	77.6	„	0·3					
11 „	.907	.091	83.0	76.3	6.7	73.6	.74	81.4	78.0	NW	0.5	None.	None.	None.	None.	None.
Noon.	.877	.023	83.6	77.4	6.2	75.0	.76	82.0	78.3	„	0.4					
1 p. m.	.846	28.979	84.5	78.0	6.5	75.5	.75	82.8	78.6	NW b N	0.4					
2 „	.825	.970	84.9	77.8	7.1	75.0	.73	83.2	79.0	„	0.3					
3 „	.795	.934	84.3	77.8	6.5	75.3	.75	82.9	79.2	„	0.5					
4 „	.788	.951	83.6	77.0	6.6	74.4	.75	82.5	79.4	„	0.6					
5 „	.789	.961	81.9	76.3	5.6	74.0	.78	81.0	79.4	„	0.6					
6 „	.796	.977	79.2	75.3	3.9	73.7	.84	79.0	79.0	NW	0.8					
7 „	.810	.984	78.2	75.2	3.0	74.0	.87	78.1	78.8	NW b N	0.8					
8 „	.827	29 006	78.0	75.0	3.0	73.8	.87	78.0	78.7	„	0.8					
9 „	.843	.015	77.4	75.0	2.4	74.0	.90	77.6	78.6	„	0.5					
10 „	.849	.006	77.4	75.4	2.0	74.6	.91	77.4	78.6	„	0·3					
11 „	.849	.017	77.0	75.0	2.0	74.2	.91	77.0	78.0	NNW	0.3					
Mar 11th-Midnight	.850	.049	76.4	74.0	2.4	73.0	.90	76.4	78.4	NNW	0.6					
1 a. m.	.843	.042	76.4	74.0	2.4	73.0	.90	76.4	78.3	„	0.8					
2 „	.836	.028	76.1	74.1	2.0	73.3	.91	76.3	78.2	„	0.6					
3 „	.826	.010	75.0	74.0	1.0	73.6	.96	75.4	78.0	„	0.5					
4 „	.823	.002	75.2	74.2	1.0	73.8	.96	75.3	77.9	N b W	0.4					
5 „	.840	.048	73.8	73.0	0.8	72.7	.96	74.2	77.6	„	0.1	None.	None.	None.	None.	None.
6 „	.859	.097	73.2	72.0	1.2	71.5	.94	73.4	77.5	„	0.0					
7 „	.880	.127	74.0	72.0	2.0	71.1	.91	74.2	77.2	N	0.0					
8 „	.898	.154	76.8	72.6	4.2	70.7	.82	76.8	77.5	NNE	0.1					
9 „	.916	.181	79.0	73.0	6.0	70.4	.76	78.0	77.6	NE	0.2					
10 „	.918	.159	81.6	74.4	7.2	71.3	.72	80.4	78.0	„	0.1					
11 „	.902	.119	83.6	75.6	8.0	72.3	.70	81.2	78.4	NW	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
1	K	≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 77°6 and 80°0.
2	B	"	
1	B	"	
1	B	≀≀ scattered around hor.; dew falling.	
1	B	" "	
5	C	Dense ≀≀ scattered about, moving SE.	
3	C	"	
8	C	Overcast with ≀≀, moving SE. "	
8	C	" "	
5	K	≀≀ scattered about, moving S.	
5	K	≀≀ scattered about, moving SE.	
3	K	" "	
1	K	≀≀ around hor.; ≀ scattered here and there.	
0	B	A few pieces of clouds above N hor.	
0	B	"	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 77°7 and 80°0.
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Mist and fog in hor.; otherwise clear.	
2	C	≀≀-like clouds scattered about hor., moving SE.	
5	C	≀≀-like clouds scattered throughout, moving SSE.	
5	B	" "	
1	K	≀≀ scattered above E and SE hor.	
0	K	A few pieces of ≀≀ above SE hor.	
0	K	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	Clear; dew falling.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°8 and 80°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	A few ≀ above E hor.; mist around hor.	
0	C	Mist around hor.	
0	C	"	
0	K	"	
0	K	A few ≀ above SE and S hor.; light mist in hor.	
0	K	A few ≀ above E and SE hor.; light mist in hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering one degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 11th–Noon.	29.880	29.014	84°6	78°0	6°6	75°4	0.75	82°5	78°6	NW	0.6					
1 p. m.	.854	28.970	84.1	78.3	5.8	76.1	.78	82.6	79.0	,,	0.6					
2 ,,	.835	.966	84.4	78.0	6.4	75.5	.76	82.9	79.2	,,	0·8					
3 ,,	.824	.917	84.7	79.0	5.7	76.9	.78	83.4	79.5	,,	0.5					
4 ,,	.819	.926	84.4	78.6	5.8	76.4	.78	83.0	79.7	,,	0.4	None.	None.	None.	None.	None.
5 ,,	.827	.958	82.6	77.5	5.1	75.5	.80	81.6	79.7	NW b N	0.7					
6 ,,	.834	.957	79.6	76.9	2.7	75.8	.89	79.2	79.5	,,	0·8					
7 ,,	.856	.986	78.5	76.4	2.1	75.6	.91	78.6	79.3	NNW	0.6					
8 ,,	.880	29.020	78.0	76.0	2.0	75.2	.92	78.1	79.0	,,	0.2					
9 ,,	.886	.043	77.4	75.4	2.0	74.6	.91	77.6	79.0	,,	0.3					
10 ,,	.895	.057	77.2	75.2	2.0	74.4	.91	77.2	79.0	,,	0.2					
11 ,,	.884	.127	76.0	72.7	3.3	71.3	.86	76.2	78.7	N b W	0.2					
Mar 12th–Midnight	.875	.071	75.4	73.8	1.6	73.1	.93	75.6	78.5	N b W	0.0					
1 a. m.	.855	.047	75.1	73.8	1.3	73.3	.94	75.2	78.3	N	0.0					
2 ,,	.837	.088	73.6	71.7	1.9	70.9	.92	73.7	78.0	,,	0.2					
3 ,,	.838	.101	73.9	71.5	2.4	70.4	.90	74.2	77.7	,,	0.2					
4 ,,	.840	.147	73.9	70.3	3.6	68.5	.85	74.2	77.6	,,	0.2					
5 ,,	.860	.176	73.8	70.0	3.8	68.1	.83	74.0	77.4	N b E	0.1					
6 ,,	.886	.185	73.6	70.4	3.2	68.9	.86	73.7	77.2	,,	0.1					
7 ,,	.908	.166	75.0	72.0	3.0	70.6	.87	75.0	77.0	,,	0.1					
8 ,,	.946	.193	77.4	73.0	4.4	71.1	.82	77.3	77.3	,,	0.1					
9 ,,	.961	.213	79.1	73.4	5.7	70.9	.77	78.8	77.6	N	0.4					
10 ,,	.967	.240	81.3	73.6	8.2	70.0	.69	80.8	78.0	NNW	0.4					
11 ,,	.953	.211	83.1	74.4	8.7	70.6	.67	81.6	78.4	,,	0.5	None.	None.	None.	None.	None.
Noon.	.934	.201	83.9	74.4	9.5	70.3	.65	82.5	78.7	,,	0.7					
1 p. m.	.910	.155	84.0	75.0	9.0	71.2	.67	82.5	79.0	NW b N	0.8					
2 ,,	.885	.142	84.4	74.8	9.6	70.7	.65	82.8	79.2	,,	0.6					
3 ,,	.866	.116	83.8	74.8	9.0	71.0	.67	82.4	79.4	NW	0·5					
4 ,,	.873	.128	83.2	74.5	8.7	70.8	.67	82.4	79.5	NW b N	0.4					
5 ,,	.871	.134	82.8	74.2	8.6	70.4	.68	81.0	79.6	NNW	0·3					
6 ,,	.880	.132	79.5	73.5	6.0	70.9	.76	79.1	79.6	,,	0.1					
7 ,,	.896	.147	78.1	73.1	5.0	70.9	.79	78.1	79.4	,,	0.1					
8 ,,	.915	.155	77.4	73.2	4.2	71.4	.82	77.7	79.2	,,	0.0					
9 ,,	.930	.173	77.0	73.0	4.0	71.3	.83	77.4	79.0	,,	0.0					
10 ,,	.928	.172	76.4	72.8	3.6	71.2	.85	76.8	78.8	,,	0.0					
11 ,,	.917	.149	76.0	73.0	3.0	71.7	.87	76.3	78.6	NW b N	0.0					
Mar 14th–Midnight	.892	.372	71.0	64.0	7.0	59.8	.69	71.8	76.4	N	0.2					
1 a. m.	.870	.305	72.6	66.0	6.6	62.3	.72	72.9	76.2	NNW	0.3					
2 ,,	.864	.307	72.5	65.7	6.8	61.9	.71	72.7	76.2	NW	0.2					
3 ,,	.860	.315	72.1	65.2	6.9	61.3	.70	72.4	76.0	,,	0.3					
4 ,,	.861	.301	72.0	65.6	6.3	62.1	.72	72.4	75.9	,,	0.3					
5 ,,	.877	.320	71.0	65.2	5.8	61.9	.74	71.0	75.5	NNW	0.2					
6 ,,	.899	.329	70.1	65.3	4.8	62.6	.78	70.3	75.4	N	0·0					
7 ,,	.918	.267	72.8	68.7	4.1	66.6	.82	72.6	75.5	,,	0·1					
8 ,,	.935	.331	75.0	68.0	7.0	64.4	.71	74.7	75.7	NE b N	0.1					
9 ,,	.944	.329	77.0	69.0	8.0	64.9	.68	76.4	75.9	,,	0.3					
10 ,,	.944	.328	80.0	70.0	10.0	65.0	.62	78.6	76.4	NNW	0.1					
11 ,,	.930	.297	81.6	71.0	10.6	65.8	.60	79.8	77.0	,,	0·3					
Noon.	.904	.276	82.0	71.0	11.0	65.5	.59	80.2	77.2	NW	0.3	None.			None.	
1 p. m.	.872	.216	82.8	72.0	10.8	66.8	.60	81.2	77.5	NW b N	0.5					
2 ,,	.844	.222	83.2	71.2	12.0	65.3	.56	81.5	77.7	,,	0.7					
3 ,,	.828	.187	83.6	71.8	11.8	66.1	.57	81.9	78.1	,,	0.8					
4 ,,	.818	.166	83.2	72.0	11.2	66.7	.59	81.9	78.4	NNW	0.7					
5 ,,	.815	.150	82.0	72.0	10.0	67.2	.62	81.8	78.5	,,	0.7					
6 ,,	.821	.191	78.7	70.0	8.7	65.6	.66	78.3	78.5	,,	0.8					
7 ,,	.837	.255	77.8	68.3	9.5	63.2	.63	77.6	78.0	N b W	0.7					
8 ,,	.854	.274	77.7	68.2	9.5	63.1	.63	77.5	77.9	N	0.5					
9 ,,	.877	.319	77.4	67.4	10.0	62.0	.61	76.8	77.8	,,	0.2		+	3		Above 10m.
10 ,,	.889	.409	75.2	64.2	11.0	57.4	.56	75.0	77.5	NNE	0.2					
11 ,,	.879	.392	74.0	64.0	10.0	57.9	.59	74.0	77.2	,,	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪ nimbi.	
0	K	A few ≀ above E and SE hor.; light mist in hor.	
0	B	A few ≀ above E and W hor.; light mist in hor.	
1	B	≀ scattered from E to W hor.; light mist in hor.	
2	B	≀ scattered in E hem.; light mist in hor.	
5	B	≀ scattered about, moving E.	
6	C	Light ≀ scattered throughout, moving ESE.	
6	C	" "	
6	C	" "	
3	C	≀ scattered about hor.	
0	K	Clear, except in hor.; dew falling.	
0	K	" " "	
0	K	" " "	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 77°9 and 80°1.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
2	C	Dense fleecy clouds scattered about hor., moving ESE.	
2	C	Dense fleecy clouds in W hem., moving SE.	
5	C	Fleecy clouds scattered about, moving SSE.	
5	B	" "	
2	B	Fleecy clouds scattered about hor., moving SSE.	
0	B	Clear.	
0	B	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
3	B	Fleecy clouds scattered about, moving SE.	
3	B	Fleecy clouds scattered about, moving SSE.	
0	B	Pieces of clouds here and there observed.	
3	B	Dense fleecy clouds scattered about, moving SE.	
4	B	" "	
3	B	" "	
2	B	" "	
0	K	Clear.	
0	B	"	Mean daily temperature of ground 20 and 60 inches below its surface 78°1 and 80°2.
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	Mist in hor.	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	A few pieces of clouds in N hor.	
0	B	Light mist in hor.	
0	B	"	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 15th-Midnight	29.873	29.401	74°2	63°6	10°6	56°9	0.57	74°2	76°8	N b E	0.2					
1 a. m.	.860	.374	73.0	63.6	9.4	57.8	.61	73.0	76.7	NNE	0·2					
2 „	.848	.359	71.9	63.3	8.6	58.0	.63	72.1	76.4	„	0·1					
3 „	.838	.351	72.4	63.4	9.0	57.9	.62	72.5	76.2	„	0.2					
4 „	.845	.402	72.5	62.0	10.5	55.1	.57	72.5	76.0	„	0.1					
5 „	.863	.442	71.8	61.0	10.8	53.5	.55	71.8	75.7	„	0.1					
6 „	.887	.457	71.0	61.0	10.0	54.2	.57	71.1	75.5	„	0.0					
7 „	.914	.494	73.0	61.4	11.6	53.4	.53	72.8	75.5	„	0.0					
8 „	.942	.501	76.8	63.5	13.3	54.9	.49	76.4	75.7	„	0.0					
9 „	.956	.536	80.0	64.0	16.0	53.5	.42	79.2	76.0	„	0·0		+	2		Above 10m.
10 „	.953	.482	84.0	67.0	17.0	56.9	.42	82.0	76.7	NE b E	0.3		+	1		Above 10m.
11 „	.933	.429	87.0	69.0	18.0	58.9	.40	84.8	77.5	N	0.3		+	2		Above 10m.
Noon.	.904	.326	87.2	71.2	16.0	63.0	.46	84.8	78.0	„	0.6					
1 p. m.	.865	.263	86.4	71.6	14.8	64.3	.49	84.4	78.4	NW b N	0·8	None.			None.	
2 „	.834	.189	85.5	72.5	13.0	66.4	.54	83.9	78.7	„	1·2					
3 „	.812	.183	85.6	72.1	13.5	65.5	.53	84.0	79.0	„	0·8					
4 „	.814	.179	86.0	72.4	13.6	65.8	.53	84.2	79.3	„	1·0					
5 „	.817	.171	83.7	72.0	11.7	66.4	.58	82.5	79.4	„	0·8		+	1		Above 10m.
6 „	.831	.187	80.6	71.0	9.6	66.3	.63	80.3	79.2	„	0·7					
7 „	.844	.190	79.7	71.0	8.7	66.7	.66	79.5	79.0	„	1·2					
8 „	.863	.219	79.3	70.6	8.7	66.3	.66	79.1	78.9	„	0·8					
9 „	.888	.230	79.4	71.0	8.4	66.9	.67	79.0	78.8	NNW	0·7					
10 „	.894	.348	78.8	67.5	11.3	61.3	.57	78.4	78.6	N b W	0.3		+	2		Above 10m.
11 „	.894	.427	76.4	64.2	12.2	56.6	.52	76.4	78.6	N	0.2					
Mar 16th-Midnight	.881	.372	75.4	65.2	10·2	59.2	.59	75.4	78.2	N	0.0					
1 a. m.	.865	.368	75.6	65.2	10.4	59.1	.58	75.6	78.0	„	0.0					
2 „	.849	.366	74.4	64.0	10.4	57.6	.57	74.5	77.5	„	0.1					
3 „	.840	.419	73.2	61.5	11.7	53.5	.52	73.5	77.2	„	0.2					
4 „	.840	.334	73.4	64.4	9.0	59.0	.62	73.5	77.0	„	0.3					
5 „	.851	.320	72.8	65.0	7.8	60.4	.67	72.8	76.8	„	0.2					
6 „	.872	.338	72.5	65.0	7.5	60.6	.68	72.4	76.6	„	0.2					
7 „	.900	.317	74.2	67.1	7.1	63.3	.70	74.1	76.6	„	0.2					
8 „	.926	.384	77.6	67.0	10.6	61.1	.59	76.9	76.7	„	0.0					
9 „	.944	.340	81.0	70.0	11.0	64.3	.59	79.4	77.2	NNE	0.0		+	2		Above 10m.
10 „	.946	.422	82.8	68.2	14.6	60.1	.48	81.0	77.6	„	0·0		+	3		Above 10m.
11 „	.924	.322	85.4	71.3	14·1	74.2	.51	82.5	78.0	N	0·2					
Noon.	.896	.139	87.4	76.0	11.4	71.2	.60	84.6	78.5	NW	0.0					
1 p. m.	.884	.064	87.0	77.0	10.0	73.0	.61	85.0	79.0	„	0.5	None.			None.	
2 „	.833	.070	86.8	76.0	10.8	71.5	.62	84.9	79.5	„	0·7					
3 „	.819	.123	86.6	74.2	12.4	68.7	.57	84.9	79.7	NW b N	0.0					
4 „	.814	.133	86.9	73.9	13.0	67.9	.55	85.3	80.0	„	0.8					
5 „	.818	.144	85.1	73.2	11.9	67.7	.57	83.9	80.2	„	0.6					
6 „	.823	.121	82.0	73.0	9.0	68.9	.66	81.6	80.0	„	0·4					
7 „	.838	.116	80.8	73.2	7.6	69.8	.70	80.5	79.7	„	0·3					
8 „	.857	.118	80.3	73.5	6.8	70.5	.73	80.0	79.5	„	0·4					
9 „	.876	.115	80.9	74.0	6.0	71.4	.76	79.7	79.5	„	0·7					
10 „	.892	.120	79.0	74.0	5.0	71.8	.80	79.0	79.3	NNW	0.5					
11 „	.887	.141	78.0	73.0	5.0	70.8	.79	78.0	79.3	N b W	0·4					
Mar 17th-Midnight	.881	.161	77.0	72.0	5.0	69.7	.79	76.8	79.1	N	0.0					
1 a. m.	.863	.144	75.5	71.5	4.0	69.6	.83	75.9	78.8	„	0.2					
2 „	.837	.129	74.8	71.0	3.8	69.2	.84	75.0	78.5	N b W	0.1					
3 „	.832	.150	74.0	70.0	4.0	68.1	.83	74.3	78.3	„	0.1					
4 „	.835	.166	72.7	69.2	3.5	67.4	.85	73.5	77.8	„	0.0					
5 „	.840	.183	73.2	69.0	4.2	67.0	.82	74.0	77.6	„	0.1					
6 „	.853	.197	72.8	69.0	3.8	67.1	.84	73.0	77.5	„	0.0	None.	None.	None.	None.	None.
7 „	.888	.241	74.4	69.1	5.3	66.5	.77	74.5	77.4	„	0.0					
8 „	.897	.208	78.8	68.8	10.0	63.6	.61	77.7	77.5	N	0·0					
9 „	.925	.228	82.1	72.9	9.2	68.7	.65	80.8	77.9	NNW	0·1					
10 „	.921	.242	84.0	73.0	11.0	67.9	.60	82.6	78.5	„	0.3					
11 „	.906	.195	84.6	74.0	10.6	69.3	.62	82.8	78.8	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌐ cumuli; ⌐ cirro-strati; ⌐ cumulo-strati; and ⌐ nimbi.	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°1. On the 15th at 6 A. M. the temperature of evaporation was 61°0 lowest during the month, and about 9°6 lower than the normal mean.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
1	C	Light ⌐ scattered in W hem.	
0	C	A few ⌐ in S, otherwise clear.	
0	C	Clear; mist in hor.	
0	K	Mist in hor.	
0	K	"	
0	K	"	
0	K	"	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°1.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	A few ⌐ above E hor.	
0	C	Mist in hor.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°0 and 80°1.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	⌐ scattered around hor., except in S and NW.	
0	C	⌐ visible in N and W of zth.	
0	C	"	
0	B	Clear.	
0	K	"	
0	K	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 17th–Noon.	29.870	29.202	85°0	73°0	12°0	67°4	0.57	83°0	79°2	NNW	1.4					
1 p. m.	.833	.139	85.9	73.9	12.0	68.6	.57	84.1	79.5	NW b N	1.0					
2 „	.803	.129	86.2	73.5	12.7	67.7	.55	84.5	79.7	„	1·4					
3 „	.779	.103	86.0	73.5	12.5	67.8	.56	84.3	80.0	„	1.8					
4 „	.779	.124	84.6	72.5	12.1	66.8	.57	83.5	80.1	„	2.2					
5 „	.785	.120	82.0	72.0	10.0	67.3	.62	81.2	80.0	„	1,5					
6 „	.799	.103	79.2	72.0	7.2	68.6	.71	79.0	79.6	„	0.7	None.			None.	
7 „	.819	.110	78.0	72.0	6.0	69.2	.76	78.0	79.4	„	0.4					
8 „	.841	.109	77.6	72.6	5.0	70.2	.79	77.9	79.0	„	0.4		+	2		Above 10m.
9 „	.866	.099	77.4	73.4	4.0	71.7	.83	77.4	79.0	„	0.4					
10 „	.875	.093	76.8	73.6	3.2	72.2	.87	77.0	78.9	NNW	0.5					
11 „	.872	.108	76.4	73.0	3.4	71.5	.86	76.4	78.7	„	0.4					
Mar 18th-Midnight	.863	.095	76.0	73.0	3.0	71.7	.87	76.2	78.6	NNW	0.3					
1 a. m.	.844	.048	75.6	73.9	1.7	72.9	.93	76.0	78.5	„	0.4					
2 „	.831	.084	75.2	72.2	3.0	70.9	.87	75.5	78.3	„	0.5					
3 „	.825	.084	74.4	71.8	2.6	70.6	.89	74.6	78.1	N b E	0.1					
4 „	.826	.071	73.5	71.9	1.6	71.2	.93	74.0	77.9	NNE	0·1					
5 „	.840	.110	72.8	71.0	1.8	70.1	.92	73.4	77.5	„	0.0					
6 „	.870	.133	72.2	71.0	1.2	70.4	.95	72.8	77.5	„	0.0					
7 „	.896	.143	74.0	71.9	2.1	71.1	.94	74.5	77.5	N b E	0.0					
8 „	.919	.171	77.2	72.8	4.4	70.9	.82	77.1	77.7	„	0.0					
9 „	.934	.220	79.6	72.6	7.0	69.5	.72	79.0	78.0	N	0.1		+	1		Above 10m.
10 „	.929	.198	81.0	73.5	7.5	70.2	.71	79·8	78.3	NW b N	0·2	None.			None.	
11 „	.920	.211	81.4	73.0	8.4	69.2	.68	80.0	78.5	„	0·2					
Noon.	.900	.166	81.8	73.8	8.0	70.3	.69	80.4	78.6	NNW	0·3					
1 p. m.	.871	.186	83.2	72.9	10.3	68.2	.62	81.2	78.8	NW b W	0.3					
2 „	.850	.149	83.4	73.4	10.0	68.9	.63	81.5	79.0	NNW	0·4					
3 „	.833	.107	83.2	74.0	9.2	69.9	.66	81.7	79.2	„	0·3					
4 „	.834	.111	82.8	73.8	9.0	69.8	.66	81.4	79.4	„	0.2					
5 „	.845	.173	81.4	72.0	9.4	67.6	.64	80.2	79.5	„	0.2					
6 „	.865	.229	78.2	70.0	8.2	65.9	.67	78.0	79.2	NW b W	0.2					
7 „	.889	.265	76.8	69.2	7.6	65.3	.69	76.8	78.8	„	0.1					
8 „	.907	.243	75.6	70.0	5.6	67.2	.77	75.8	78.6	NNW	0.0					
9 „	.927	.252	74.6	70.0	4.6	67.7	.80	75.2	78.3	„	0.0					
10 „	.938	.251	74.2	70.2	4.0	68.2	.83	74.8	78.0	„	0.0					
11 „	.932	.245	74.2	70.2	4.0	68.3	.83	74.8	77.8	„	0.2					
Mar 21st-Midnight	.916	.133	78.0	74.0	4.0	72.3	.83	77.8	79.0	N b W	0.2					
1 a. m.	.894	.118	77.8	73.8	4.0	72.1	.83	77.8	79.0	„	0.1					
2 „	.879	.068	77.2	74.5	2.7	73.4	.89	77.5	78.8	„	0.2					
3 „	.871	.062	77.4	74.5	2.9	73.3	.88	77.5	78.8	„	0.1					
4 „	.864	.060	76.6	74.0	2.1	73.1	.91	77.0	78.6	„	0.1					
5 „	.881	.141	75.2	72.0	3.2	70.5	.86	75.5	78.4	„	0·1					
6 „	.897	.250	74.1	69.0	5.1	66.5	.78	74.1	78.1	N	0·0					
7 „	.927	.196	76.0	72.0	4.0	70.2	.83	76.6	78.2	„	0.0					
8 „	.943	.265	79.5	71.6	7.9	67.9	.69	79.2	78.5	N b E	0.1					
9 „	.946	.313	83.2	71.5	11.7	65.7	.57	82.0	78.8	NNE	0.1					
10 „	.954	.261	86.2	74.0	12.2	68.5	.57	82.6	79.4	NE b E	0.3					
11 „	.942	.473	93.0	70.0	23.0	56.7	.31	92.4	80.4	„	0.2	None.			None.	
Noon.	.912	.428	98.4	72.0	26.4	57.6	.28	96.4	81.5	„	0.2					
1 p. m.	.873	.039	97.3	80.5	16.8	74.3	.49	92.7	82.4	NW b N	0.2					
2 „	.847	28.919	93.4	81.7	11.7	77.6	.58	90.6	82.4	NW	0·3					
3 „	.836	.906	90.4	81.0	9.4	77.7	.67	88.4	82.5	„	0·6					
4 „	.840	.959	89.0	79.5	9.5	76.0	.67	87.5	82.5	„	0·7					
5 „	.854	29.004	86.1	78.0	8.1	74.8	.70	85.0	82.5	NW b N	0·5		+	1		Above 10m.
6 „	.859	.072	82.9	75.5	7.4	72.5	.72	82.6	82.1	„	0.4		++	2		Above 10m.
7 „	.880	.131	81.5	74.1	7.4	70.9	.72	81.3	81.6	NNW	0·2		+	1		Above 10m.
8 „	.904	.179	81.2	73.4	7.8	69.9	.70	81.0	81.5	„	0.1					
9 „	.920	.219	80.0	72.4	7.6	68.9	.70	81.0	81.3	N	0.1					
10 „	.926	.253	78.0	71.0	7.0	67.7	.72	78.6	81.0	„	0.0					
11 „	.917	.209	79.4	72.4	7.0	69.2	.72	79.2	80.6	N b W	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ∩≀ nimbi.	
0	K	A few ≀ in S above hor.	
0	B	"	
0	B	Clear.	
0	B	A few ≀ in S above hor.	
0	B	A few ≀ along E hor.	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
1	K	Masses of light ∩≀, moving SE.	
3	K	Light ∩≀ scattered about, moving SE.	
4	B	" "	Mean daily temperature of ground 20 and 60 inches below its surface 78°3 and 80°1.
3	B	Light ∩≀ scattered about, moving SSE.	
5	B	" "	
6	B	" "	
1	C	Light ∩≀ scattered in W above hor.	
3	C	Light ∩≀ scattered about, moving SE; dew falling.	
3	C	Light ∩≀ scattered about hor., moving SE.	
1	C	Patches of light ∩≀ in S, moving SE.	
2	K	Light ∩≀ scattered about hor., moving SE.	
1	K	Patches of light ∩≀ in E, SE, and S above hor.	
0	B	Clear.	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear.	
0	B	Clear; dew falling.	
0	B	" "	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 80°3. The highest temperature of free air occurred at noon, and that of evaporation at 2 P. M., the former was about 12°0 higher than the normal mean, and the latter was about 5°0 greater than the normal mean.
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	"	
0	K	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B.	"	
0	C	A few patches of ∩≀ above W hor.	
0	C	A few pieces of clouds above N hor.	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 22nd-Midnight	29.897	29.189	79°4	72°4	7°0	69°2	0.72	79°2	80°6	NNW	0.3					
1 a. m.	.877	·120	78.1	73.3	4.8	71.2	.80	78.0	80.3	N b E	0·0					
2 „	.869	.141	77.3	72.3	5.0	70.1	.79	77.7	80.1	NNE	0.0		+	2		Above 10m.
3 „	.857	28.997	78.6	76.0	2.6	75.2	.92	78.8	80.1	NW b N	0.2					
4 „	.861	29.034	78.2	75.2	3.0	74.0	.87	78.5	80.0	NW	0·3					
5 „	.881	.074	77.6	74.5	3.1	73.2	.87	78.0	79.9	„	0·0					
6 „	.908	.009	78.0	77.0	1.0	76.6	.96	78.2	79.8	S b W	0.2					
7 „	.930	.045	79.3	77.0	2.3	76.1	.90	79.6	80.9	„	0·2					
8 „	.953	.091	80.6	76.8	3.8	75.3	.85	80.5	80.2	S	0.4					
9 „	.962	.065	82.6	78.2	4.4	76.5	.83	82.2	80.5	S b E	0.4					
10 „	.962	.020	85.4	80.0	5.4	78.1	.79	84.4	80.7	S	0·6					
11 „	.943	28.989	86.6	80.6	6.0	78.5	.78	85.2	81.2	SSW	0·5					
Noon.	.924	.959	87.2	81.0	6.2	78.8	.77	85.7	81.5	„	0.6					
1 p. m.	.892	.951	87.0	80.4	6.6	78.0	.76	85.0	81.6	SW	0·5	None.			None.	
2 „	.871	.926	86.3	80.3	6.0	78.2	.77	84.8	81.7	„	0·5					
3 „	.848	.903	86.3	80.3	6.0	78.2	.77	85.1	81.9	„	0.4					
4 „	.836	.936	85.4	79.0	6.4	76.6	.76	84.6	82.0	„	0·3					
5 „	.849	.940	84.5	79.0	5.5	77.0	.79	83.7	82.0	„	0.2					
6 „	.858	.988	81.2	77.2	4.0	75.6	.84	81.0	81.6	„	0.1					
7 „	.879	29.025	79.6	76.3	3.3	75.0	.86	80.0	81.4	„	0.0					
8 „	.895	.007	79.0	77.0	2.0	76.2	.92	79.4	81.0	„	0.0					
9 „	.897	.028	78.6	76.4	2.2	75.5	.91	78.8	80.8	SSW	0.0					
10 „	.907	.034	78.2	76.4	1.8	75.7	.92	78.5	80.8	„	0.0					
11 „	.910	.042	78·0	76.2	1.8	75.5	.92	78.2	80.6	„	0.0					
Mar 23rd-Midnight	.898	.030	78.0	76.2	1.8	75.5	.92	78.2	80.4	SSW	0.0					
1 a. m.	.888	.015	77.6	76.2	1.4	75.7	.94	78.0	80.3	„	0.0					
2 „	.871	.018	76.9	75.5	1.4	75.0	.94	77.5	80.2	„	0.0					
3 „	.862	.020	76.1	75.0	1.1	74.6	.95	76.7	80.0	„	0.0					
4 „	.869	.031	75.8	74.8	1.0	74.4	.96	76.6	79.8	„	0.0					
5 „	.892	.076	75.0	74.0	1.0	73.6	.96	75.9	79.5	„	0.0					
6 „	.912	.081	75·4	74.5	0.9	74.1	.96	76.0	79.5	„	0.0					
7 „	.928	.061	77.4	76.0	1.4	75.5	.94	77.6	79.5	S b W	0.0					
8 „	.952	.100	79.5	76.2	3.3	74.9	.86	79.0	79·5	„	0.0					
9 „	.965	.101	81.2	77.0	4.2	75.4	.83	80.0	79.8	„	0.0					
10 „	.965	.093	82.6	77.6	5.0	75.6	.80	81.0	80.2	SW	0.0					
11 „	.959	.073	83.6	78.2	5.4	76.2	.79	82.2	80.4	WSW	0·2	None.	None.	None.	None.	None.
Noon.	.941	.079	85.0	78.0	7.0	75.3	.74	83.0	80.6	„	0.2					
1 p. m.	.917	.036	85.6	78.6	7.0	76.0	.74	83.8	80.7	„	0.2					
2 „	.884	28.987	85.6	79.0	6.6	76.5	.75	83.8	81.0	„	0.2					
3 „	.869	.999	86.6	78.6	8.0	75.6	.71	84.9	81.3	W b N	0.2					
4 „	.868	29.026	85.0	77.5	7.5	74.6	·72	83.7	81.4	WNW	0.3					
5 „	.870	.060	83.6	76.3	7.3	73.3	.72	82.5	81.3	NW	0.2					
6 „	.879	.081	80.8	75.2	5.6	72.9	.78	80.3	81.0	„	0.3					
7 „	.881	.091	79.4	74.6	4.8	72.6	.80	79.2	80.6	„	0.5					
8 „	.905	.129	78.6	74.0	4.6	72.0	.82	78.6	80.4	NW b N	0.1					
9 „	.915	.185	77.8	72.5	5.3	70.1	.78	77.8	80.4	NNW	0.2					
10 „	.919	.230	77.2	71.2	6.0	68.3	.75	77.2	80.2	„	0.0					
11 „	.914	.180	77.0	72.4	4.6	70.3	.81	77.0	80.0	„	0·0					
Mar 24th-Midnight	.901	.175	75.8	71.8	4.0	70.0	.83	76.0	79.6	NNW	0·0					
1 a. m.	.883	133	75.3	72.3	3.0	71.0	.87	76.0	79.3	„	0.0					
2 „	.883	.172	75.2	71.2	4.0	69.3	.83	75.7	79.2	„	0.0					
3 „	.881	.208	74.8	70.0	4.8	67.6	.79	75.3	79.0	„	0.0					
4 „	.881	.175	75.0	71.0	4.0	69.1	.88	75.5	78.6	„	0·0	None.	None.	None.	None.	
5 „	.891	.154	74.8	71.8	3.0	70.4	.87	75.0	78.6	„	0.0					
6 „	.901	.186	74.2	71.0	3.2	69.5	.86	74.8	78.4	„	0.0					
7 „	.916	.145	75.7	73.0	2.7	71.8	.88	75.9	78.3	NNE	0.0					None.
8 „	.935	.252	78.8	71.5	7.3	68.1	.71	78.3	78.5	„	0·2					
9 „	.953	.310	83.0	71.7	11.3	66.3	.58	81.3	79.0	„	0.2					
10 „	.951	.346	85.4	71.4	14.0	64.4	.51	83.1	79.5	NNW	0.1					
11 „	.933	.082	86.0	78.0	8.0	74.9	.70	84.0	80.0	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒̲ cirro-strati; ⌒̲ cumulo-strati; and ≀̲ nimbi.	
0	K	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 80°4.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	,,	
0	C	Light mist around hor.	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	Clear.	
0	B	,,	
0	B	Pieces of ≀≀ scattered here and there, moving NE.	
2	B	≀≀ scattered about, moving NE.	
0	B	A few pieces of ≀≀ above SE hor.	
0	C	Pieces of ≀≀ in W and NW above hor., moving NE.	
0	C	Patches of ≀≀ in W, NW, and N hor.	
0	C	Clear; light dew on the roof of observatory.	
0	C	,, ,,	
0	K	,, ,,	
6	K	≀≀ scattered throughout, moving NW; dew falling.	
6	K	,, ,, ,,	
5	K	≀≀ scattered throughout, moving NW; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 80°4.
4	B	,, ,, ,,	
3	B	,, ,, ,,	
3	B	≀≀ scattered about, moving NNW; dew falling.	
1	B	≀≀ scattered here and there, moving NW; dew falling.	
2	C	,, ,, ,,	
4	C	Light ≀̲ and ≀≀ scattered about, former moving NNE.	
2	C	Light ≀̲ scattered about, moving N.	
4	C	,, ,,	
3	K	,, ,,	
3	K	,, ,,	
2	K	,, ,,	
0	K	Clear.	
0	B	,,	
0	B	A few ≀ above W hor.	
4	B	≀ scattered in W hem. also along E hor.	
5	B	≀ scattered about, moving ENE.	
5	C	,, ,,	
5	C	,, ,,	
5	C	,, ,,	
6	C	,, ,,	
0	K	Clear, except in hor.	
0	K	,, ,,	
2	K	≀ scattered here and there, moving NE.	
4	K	≀ and ≀≀ scattered about, both moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 80°5.
2	B	≀≀ scattered about, moving N.	
2	B	,, ,,	
2	C	,, ,,	
4	C	,, ,,	
4	K	,, ,,	
4	K	,, ,,	
3	B	A few ≀ above E hor.; ≀≀ scattered about.	
4	B	≀≀ scattered about; mist in hor.	
5	C	,, ,,	
4	C	,, ,,	
5	K	,, ,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m., s.
Mar. 24th-Noon.	29.906	29.078	86°6	77°6	9°0	74°0	0.67	84°8	80°3	NNW	0.3					
1 p. m.	.879	.067	87.4	77.4	10.0	73.4	.64	85.6	80.5	NW b N	0.7					
2 „	.860	.043	86.2	77.2	9.9	73.6	.67	85.8	80.9	„	0.8					
3 „	.837	.016	86.0	77.0	9.0	73.4	.67	84.9	81.1	„	0.7					
4 „	.831	.030	84.4	76.3	8.1	73.0	.69	83.2	81.3	„	1.0					
5 „	.834	.033	83.4	76.0	7.4	73.0	.72	82.6	81.3	NNW	1.0	None.	None.	None.	None.	None.
6 „	.841	.075	81.6	74.6	7.0	71.6	.73	81.2	81.0	„	1.1					
7 „	.857	.092	80·7	74.3	6.4	71.6	.75	80.6	80.7	„	1.6					
8 „	.878	.113	80.7	74.3	6.4	71.6	.75	80.6	80.6	N b W	1.2					
9 „	.901	.239	79.0	71.0	8.0	67.1	.68	79.5	80.5	N	0.2					
10 „	.897	.238	78.6	70.8	7.8	67.0	.69	78.5	80.2	N b W	0.1					
11 „	.889	.276	78.4	69.4	9.0	64.8	.65	78.2	80.1	„	0.2					
Mar 25th-Midnight	.874	.203	78.2	71.0	7.2	67.5	.71	78.0	79.8	N b W	0.2					
1 a. m.	.860	.083	78.5	74.0	4.5	72.0	.81	78.5	79.8	„	0.2					
2 „	.853	.089	78.7	73.7	5.0	71.5	.80	78.6	79.7	„	0.4					
3 „	.840	.128	78.1	72.1	6.0	69.3	.76	78.1	79.7	„	0.6					
4 „	.845	.131	77.5	72.0	5.5	69.5	.77	77.6	79.6	„	0.2					
5 „	.853	.141	76.4	71.6	4.8	69.4	.80	76.6	79.3	„	0.2					
6 „	.870	.239	75.5	69.0	6.5	65.7	.73	75.5	79.1	„	0.2					
7 „	.895	.290	76.7	68.6	8.1	64.4	.67	76.5	79.0	NNE	0.0					
8 „	.916	.240	81.0	72.0	9.0	67.8	.66	80.6	79.0	„	0.0					
9 „	.926	.285	84.2	72.0	12.2	66.2	.56	82.7	79.5	„	0.0					
10 „	.929	.240	87.2	74.2	13.0	68.3	.55	82.4	80.0	„	0.0					
11 „	.919	.219	87.6	74.6	13.0	68.9	.55	85.4	80.3	N b W	0.2	None.	None.	None.	None.	None.
Noon.	.888	.099	88.0	77.0	11.0	72.6	.58	85.8	81.5	W b N	0.2					
1 p. m.	.864	.042	88.6	78.0	10.6	73.8	.63	86.5	81·7	WSW	0.1					
2 „	.834	28.993	88.9	78.5	10.4	74.5	.64	86.6	81.7	W b S	0.1					
3 „	.822	.961	88.9	79.0	9.9	75.3	.65	86.6	81.7	WNW	0.2					
4 „	.820	.932	87.2	79.2	8.0	76.2	.71	86.5	81.7	NW b W	0.3					
5 „	.837	.951	84.8	78.5	6.3	76.1	.76	83.9	81.8	NW	0.1					
6 „	.851	.976	82.3	77.6	4.7	75.8	.81	82.0	81.5	„	0.0					
7 „	.864	29.030	80.4	76.0	4.4	74.3	.83	80.6	81.1	„	0.0					
8 „	.876	.059	79.8	75.4	4.4	73.6	.83	80.1	80.9	„	0.0					
9 „	.895	.042	78.6	76.0	2.6	75.0	.89	79.0	80.9	„	0.0					
10 „	.911	.043	79.4	76.6	2.8	75.5	.88	79.4	80.7	S b W	0.0					
11 „	.905	28.996	80.0	77.8	2.2	77.0	.91	80.0	80.6	S	0.3					
Mar 26th-Midnight	.897	29.055	79.6	76.0	3.6	74.6	.85	79.6	80.8	S b E	0.5					
1 a. m.	.878	.032	79.3	76.0	3.3	74.7	.86	79.4	80.7	„	0.4					
2 „	.876	28.982	79.2	77.2	2.0	76.4	.92	79.4	80.5	„	0.0					
3 „	.872	.941	79.5	78.2	1.3	77.7	.95	79.8	80.4	W b N	0.3					
4 „	.865	.934	78.7	78.0	0.7	77.7	.97	78.9	80.4	WNW	0.3					
5 „	.890	.985	78.2	77.2	1.0	76.8	.96	78.8	80.4	W	0.0					
6 „	.908	.993	78.0	77.4	0.6	77.2	.97	78.4	80.3	S b E	0.3					
7 „	.930	29.021	79.2	77.6	1.6	76.9	.93	79.6	80.3	„	0.2					
8 „	.949	.020	81.2	78.6	2.6	77.6	.89	81·1	80.5	„	0.4					
9 „	.959	.002	84.0	80.0	4.0	78.6	.84	83.2	81.0	„	0.4					
10 „	.962	28.981	86.0	80.8	5.2	79.4	.84	84.8	81.4	S	0.4					
11 „	.949	.984	87.2	81.0	6.2	78.8	.77	85.4	81.6	SSW	0.3	None.	None.	None.	None.	None.
Noon.	.930	.963	87.8	81.2	6.6	78.9	.76	86.0	81.8	SW	0·4					
1 p. m.	.912	.962	87.8	80.8	7.0	78.3	.74	86.1	82.0	WNW	0.5					
2 „	.885	.939	87.7	80.7	7.0	78.2	.74	86.2	82.2	„	0.4					
3 „	.873	.926	87.6	80.7	6.9	78.2	.75	85.9	82.4	„	0.3					
4 „	.867	.936	86.4	80.0	6.4	77.7	.76	85·9	82.5	W	0.2					
5 „	.888	.944	84.4	79.8	4.6	78.1	.82	83.8	82.4	WSW	0.2					
6 „	.903	.987	81.6	78.4	3.2	77.2	.87	81.6	82.2	„	0.2					
7 „	.942	29.023	80.6	78.2	2.4	77.3	.90	80.8	82.0	SW b W	0.3					
8 „	.965	.082	80.2	77.2	3.0	76.0	.88	80.2	81.7	SW b S	0·5					
9 „	.985	.108	80.0	77.0	3.0	75.8	.88	80.0	81.7	SW	0.4					
10 „	.988	.095	80.0	77.4	2.6	76.4	.89	80.0	81.6	„	0.3					
11 „	.978	.101	80.0	77.0	3.0	75.8	.88	80.0	81.4	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀_ cirro-strati; ∩_ cumulo-strati; and ≀_ nimbi.	
6	K	≀ and ≀≀ scattered throughout, moving N.	
7	B	≀ scattered throughout, moving N.	
7	B	≀ scattered throughout, moving NE.	
7	C	" "	
8	C	Overcast with ≀, moving NE.	
7	K	Densely clouded with ≀.	
7	K	" "	
2	B	≀ scattered around hor.	
1	B	" "	
2	C	" "	
2	C	" "	
0	K	Clear, except in hor.	
1	K	≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 80°5.
0	B	Clear, except in hor.	
2	B	≀ scattered about.	
0	B	A few pieces of ≀≀ above E and N hor., otherwise clear.	
2	B	≀≀ scattered about hor., moving NNW.	
2	C	" "	
4	C	≀≀ scattered about.	
3	C	≀≀ scattered about hor.	
4	C	≀≀ around hor.; ≀ scattered about.	
5	B	≀ scattered throughout, moving E.	
6	K	≀ scattered throughout, moving NE.	
6	K	" "	
6	K	" "	
7	B	Densely clouded with ≀≀_, moving ENE.	
5	B	≀ scattered about, moving ENE.	
4	B	" "	
6	B	≀ scattered throughout, moving NE.	
7	C	" "	
5	C	" "	
2	C	≀ scattered about hor.; continuous lightning in E hor. observed after 7h. 25m.	
2	C	≀ scattered about hor.; lightning in E hor. every 15s.	
2	K	≀ scattered about hor.; lightning in E hor. at intervals of 23s.	
2	K	≀ scattered about hor.; dew falling.	
3	K	" "	
4	K	≀ scattered about, moving W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°4 and 80°6.
3	B	" "	
7	B	Densely clouded with ≀≀ and ≀, both moving NW.	
2	B	≀≀ scattered in W, NW, and N, moving NNW; dew falling.	
1	B	Pieces of ≀≀ above W hor.; dew falling.	
2	C	Clouded with ≀≀ around hor.; dew falling.	
2	C	≀ and ≀≀ scattered in E hem.	
0	C	A few masses of ≀≀ around hor.	
0	C	A few pieces of ≀≀ above N hor.	
1	K	≀ scattered along E hor.	
0	K	A few patches of ≀≀ in E hor.	
1	K	≀ scattered above E and W hor.	
0	K	Clear.	
0	B	"	
0	B	"	
0	B	A few pieces of ≀≀ above E and N hor.	
0	B	Pieces of ≀≀ around hor., otherwise clear.	
2	K	∩ around hor.	
4	K	≀ around hor.; ≀≀ scattered about, moving NE.	
3	K	≀≀ scattered about, moving N; lightning in E hor., every 10m.	
4	K	≀≀ scattered about, moving N; lightning in NE hor. at intervals of 20s.	
3	K	≀≀ scattered about, moving N; lightning in N hor. at intervals of 5m. 20s.	
4	K	≀≀ scattered about, moving N.	
3	K	≀≀ scattered about, moving NW.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 28th-Midnight	29.964	29.072	78°6	77°0	1°6	76°4	0.93	79°0	81°3	SSE	0·0					
1 a. m.	.945	.041	78.6	77.3	1.3	76.8	.95	78.7	81.0	,,	0·0					
2 ,,	.938	.039	78.0	77.0	1.0	76.6	.96	78.2	80.7	,,	0.0					
3 ,,	.932	.046	77.8	76.6	1.2	76.2	.95	78.2	80.7	S b E	0.0					
4 ,,	.927	.028	78.0	77.0	1.0	76.6	.96	78.3	80.6	S	0.0					
5 ,,	.931	.036	77.6	76.8	0.8	76.5	.96	78.1	80.4	,,	0.1					
6 ,,	.943	.073	77.5	76.1	1.4	75.6	.94	77.8	80.4	,,	0.1					
7 ,,	.972	.085	78.5	76.8	1.7	76.2	.93	79.0	80.5	,,	0.0					
8 ,,	.992	.095	81.1	77.8	3.3	76.5	.87	80.6	80.5	,,	0·0					
9 ,,	30.014	.108	83.7	78.7	5.0	76.8	.81	82.7	81.0	,,	0.1					
10 ,,	.006	.077	85.4	79.7	5.7	77.6	.78	83.8	81.3	,,	0.2					
11 ,,	29.999	.076	86.0	79.7	6.3	77.4	.76	84.2	81.5	SE b E	0.2	None.	None.	None.	None.	None.
Noon.	.965	.031	86.8	80.2	6.6	77.8	.76	85.2	81.7	W	0.2					
1 p. m.	.922	.032	87.8	79.4	8.4	76.6	.70	86.0	82.0	,,	0·3					
2 ,,	.888	28.975	88.0	80.0	8.0	77.1	.71	86.4	82.3	W b N	0.6					
3 ,,	.853	.945	88.0	80.0	8.0	77.1	.71	86.4	82.5	,,	0·6					
4 ,,	.850	.998	87.0	78.3	8.7	74.9	.68	85.5	82.6	WNW	0·7					
5 ,,	.871	29.027	84.1	77.3	6.8	74.6	.76	83.0	82.5	NW	0·4					
6 ,,	.899	.038	81.8	77.1	4.7	75.3	.81	81.0	82.0	NNW	0.3					
7 ,,	.928	.053	80.2	77.0	3.2	75.8	.87	80.0	81.7	N	0.2					
8 ,,	.934	.063	79.8	76.8	3.0	75.6	.88	80.0	81.5	,,	0.0					
9 ,,	.947	.094	78.6	76.0	2.6	75.0	.89	79.0	81.4	,,	0.0					
10 ,,	.950	.090	78.0	76.0	2.0	75.2	.92	78.4	81.2	,,	0.0					
11 ,,	.945	.070	78.0	76.4	1.6	75.8	.93	78.0	81.0	,,	0.0					
Mar 29th-Midnight	.929	.036	77.8	76.8	1.0	76.4	.96	78.0	80.9	N	0.0					
1 a. m.	.902	.014	78.0	76.7	1.3	76.2	.94	78.5	80.6	N b W	0.3					
2 ,,	.979	28.986	77.8	76.8	1.0	76.4	.96	78.2	80.6	NW b N	0.6					
3 ,,	.976	29.009	77.4	76.0	1.4	75.5	.94	77.9	80.5	,,	0.3					
4 ,,	.977	.070	76.8	74.3	2.5	73.2	.89	77.5	80.3	,,	0.2					
5 ,,	.889	.121	76.0	73.0	3.0	71.7	.87	76.5	80.0	,,	0.1					
6 ,,	.911	.068	76.0	75.0	1.0	74.6	.96	76.0	80.0	,,	0.0					
7 ,,	.937	.077	78.0	76.0	2.0	75.2	.92	78.1	80.0	N b E	0.1					
8 ,,	.958	.092	81.0	77.0	4.0	75.4	.84	80.5	80.2	NE	0.1					
9 ,,	.966	.112	83.6	77.4	6.2	75.0	.76	82.6	80.5	NE b E	0.1					
10 ,,	.965	.110	85.6	78.0	7.6	75.0	.72	84.4	81.0	,,	0.2	None.	None.	None	None.	None.
11 ,,	.951	.184	87.2	76.2	11.0	71.7	.61	84.8	81.3	E b S	0.1					
Noon.	.928	.121	88.6	77.6	11.0	73.2	.62	86.0	81.5	W	0.2					
1 p. m.	.887	.031	89.4	79.0	10.4	75.1	.64	87.0	82.0	,,	0.4					
2 ,,	.854	.017	89.6	78.6	11.0	74.4	.62	87.2	82.4	WNW	0.5					
3 ,,	.831	28.922	88.4	80.0	8.4	76.9	.70	86.5	82.5	,,	0.7					
4 ,,	.836	.970	87.0	78.6	8.4	75.4	.69	86.0	82.5	NW b W	0.8					
5 ,,	.857	29.022	84.2	77.1	7.1	74.3	.73	83.1	82.5	NW	0.3					
6 ,,	.858	.035	81.7	76.1	5.6	73.9	.78	81.0	82.3	,,	0.4					
7 ,,	.893	.055	80.4	76.0	4.4	74.4	.82	80.3	81.8	,,	0.4					
8 ,,	.914	.074	79.8	76.0	3.8	74.5	.85	80.0	81.5	,,	0.1					
9 ,,	.927	.074	79.4	76.2	3.2	75.0	.87	79.4	81.5	,,	0.1					
10 ,,	.929	.086	78.8	75.8	3.0	74.6	.88	79.0	81.3	,,	0·0					
11 ,,	.898	.054	78.4	75.7	2.7	74.6	.89	78.6	81.1	,,	0.2					
Mar 30th-Midnight	.893	.068	77.6	75.0	2.6	73.9	.89	77.8	80.8	NW b N	0.2					
1 a. m.	.870	.038	77.0	75.0	2.0	74.2	.91	77.0	80.6	,,	0.2					
2 ,,	.861	.051	76.2	74.2	2.0	73.3	.91	76.4	80.3	NNW	0.0					
3 ,,	.855	.070	75.5	73.3	2.2	72.4	.91	75.6	80.0	N	0.4					
4 ,,	.858	.116	75.0	72.0	3.0	70.6	.87	75.2	79.7	N b E	0·3					
5 ,,	.878	.182	74.6	70.6	4.0	68.7	.83	75.0	79.5	N	0.2					
6 ,,	.900	.196	75.2	71.0	4.2	69.0	.82	75.7	79.4	NNE	0.1					
7 ,,	.924	.219	78.4	72.0	6.4	69.1	.74	78.4	79.5	NE b N	0·1					
8 ,,	.950	.245	81.7	73.0	8.7	69.1	.67	80.6	79.8	ENE	0.1					
9 ,,	.962	.309	84.4	72.4	12.0	66.7	.57	82.5	80.2	,,	0.1					
10 ,,	.953	.171	85.8	76.2	9.6	72.3	.65	83.5	80.5	NW b N	0·3					
11 ,,	.931	.076	86.4	78.2	8.2	75.0	.70	84.3	81.0	,,	0·2					

Amount of clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≀ nimbi.	
5	K	≀ acattered about, moving N; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 80°6. The height of barometer at 9 A. M. was 30.014in. greatest during the month, and about 0.114in. greater than the normal mean.
3	B	≀ scattered around hor.; dew falling.	
3	B	Pieces of ≀ scattered about, moving W; dew falling.	
1	B	Pieces of ≀ scattered around hor.; dew falling.	
1	B	" "	
6	C	≀ scattered throughout, moving ESE; dew falling.	
5	C	≀ scattered about, moving SE.	
4	C	≀ scattered about hor.	
3	C	"	
2	K	Light ≀ scattered about hor., moving N.	
0	K	Clear.	
0	K	"	
0	K	A few clouds in E hor.	
0	B	"	
1	B	⌒ scattered along E hor.	
1	B		
1	B	"	
1	C	"	
1	C	⌒ along E hor.; hazy; lightning in E hor. every 15s.	
2	C	⌒ along E hor.; ≀ scattered about, moving SE; continuous lightning in E hor.	
2	C	⌒ along E hor.; ≀ around hor.; continuous lightning in E as before.	
2	K	Clouded around hor. as before; lightning in E hor. at intervals of 1m. 5s.; dew falling.	
0	K	Clear; dew falling.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 80°8.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	Fog along E hor.	
0	C	"	
0	C	Light mist in hor.	
0	K	"	
0	K	"	
0	K	A few patches of clouds in E hor.	
0	K	" "	
1	N	⌒ along E hor.; mist around hor.	
1	N	" "	
1	N	" "	
1	N	⌒ and ≀ along E hor.; mist around hor.	
1	C	⌒ and ≀ along E hor.	
1	C	"	
1	C	≀ scattered above N and E hor.	
0	C	Clear.	
0	K	"	
0	K	Clear; dew falling.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°8 and 80°8.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	A few pieces of ≀ in E.	
0	C	A few pieces ≀ and ≀ along E hor.; mist in hor.	
0	C	A few pieces of ≀ along E hor.; light mist in hor.	
0	K	A few pieces of ≀ in SE and S above hor.; light mist in hor.	
0	K	Cloudless.	
0	K	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 30th-Noon.	29.905	29.049	87°0	78°4	8°6	75°1	0.69	85°0	81°3	NW b N	0.5					
1 p. m.	.857	28.971	87.4	79.2	8.2	76.1	.70	85.7	81.5	NW	0.8					
2 „	.829	29.022	87.5	77.3	10.2	73.2	.64	86.0	81.9	„	1.5					
3 „	.803	.006	88.0	77.2	10.8	72.7	.62	86.2	82.1	„	1.5					
4 „	.791	28.984	86.4	77.0	9.4	73.2	.66	85.9	82.3	„	1.7					
5 „	.792	.962	85.0	77.2	7.8	74.1	.71	83.4	82.2	„	1.3	None.			None.	
6 „	.810	.995	82.8	76.2	6.6	73.5	.75	82.4	82.1	„	1.5					
7 „	.826	29.008	81.8	76.0	5.8	73.6	.77	81.6	81.7	„	1.2					
8 „	.849	.029	81.6	76.0	5.6	73.7	.78	81.4	81.6	NW b N	0.6					
9 „	.876	.027	80.8	76.5	4.3	74.8	.83	80.6	81.6	„	0.0					
10 „	.881	.056	79.8	75.6	4.2	73.9	.83	79.7	81.5	„	0.0		+	8		1·35
11 „	.874	.029	80.4	76.3	4.1	73.7	.83	80.2	81.4	„	0.3					
Mar. 31st-Midnight	.868	.032	80.2	76.0	4.2	74.3	.83	80.0	81.4	NW b N	0.3					
1 a. m.	.844	.003	79.7	76.0	3.7	74.5	.86	79.7	81.4	„	0.5					
2 „	.833	.019	79.4	75.2	4.2	73.5	.83	79.4	81.1	„	0.6					
3 „	.830	.016	79.4	75.2	4.2	73.5	.83	79.4	80.9	„	0·4					
4 „	.843	.130	77.6	72.0	5.6	69.4	.77	77.6	80.7	NNW	0.2					
5 „	.862	.057	77.8	74.5	3.3	73.2	.86	78.0	80.5	NNE	0.0					
6 „	.898	.152	78.3	73.0	5.3	70.8	.78	78.4	80.4	SE b S	0.5					
7 „	.921	.235	81.4	72.4	9.0	68.2	.66	81.4	80.6	„	0.2					
8 „	.948	.216	84.8	74.6	10.2	70.2	.63	83.9	80.8	„	0.1					
9 „	.965	.274	86.4	74.0	12.4	68.5	.56	85.0	81.4	„	0.1					
10 „	.969	.228	89.6	76.2	13.4	70.6	.55	86.2	81.8	„	0.1					
11 „	.947	.242	88.5	75.0	13.5	69.1	.54	86.2	81.8	W	0.1	None.			None.	
Noon.	.919	.228	89.8	75.0	14.8	68.5	.51	87.0	82.3	WNW	0.2					
1 p. m.	.875	.097	91.1	77.6	13.5	72.1	.55	88.6	82.7	„	0.2		+	2		Above 10m.
2 „	.841	.059	90.5	77.5	13.0	72.3	.57	88.5	83.0	NW b W	0.3		+	1		Above 10m.
3 „	.822	.075	89.3	76.3	13.0	70.9	.56	87.5	83.4	NW	1.0					
4 „	.806	.065	88.8	76.0	12.8	70.6	.56	87.5	83.3	„	0.8					
5 „	.816	.053	87.2	76.1	11.1	71.5	.61	86.1	83.3	NW b N	0.4					
6 „	.852	.038	85.7	77.0	8.7	73.5	.68	85.0	83.2	E	0.0					
7 „	.886	.017	84.4	78.0	6.4	75.5	.76	84.0	83.0	S b E	0.6					
8 „	.894	.126	85.0	75.6	9.4	71.7	.66	84.5	82.9	S b W	0.8					
9 „	.911	.121	84.4	76.0	8.4	72.6	.69	84.0	82.9	SSW	0.0					
10 „	.909	.120	83.4	75.7	7.7	72.6	.71	83.0	82.8	„	0.0					
11 „	.888	.106	82.6	75.3	7.3	72.2	.72	82.4	82.6	NW	0.2					
Apr. 1st-Midnight	.873	.068	83.0	76.0	7.0	73.2	.73	82.4	82.5	NNW	0.3					
1 a. m.	.868	.087	81.6	75.0	6.6	72.2	.74	81.4	82.4	N	0.2					
2 „	.874	.102	80.4	74.4	6.0	71.8	.76	80.2	82.2	NNE	0.0					
3 „	.876	.196	81.9	72.4	9.5	67.9	.64	81.6	82.0	NE	1.0					
4 „	.880	.111	81.3	74.6	6.7	71.7	.74	81.1	82.0	„	0.0					
5 „	.894	.104	80.8	75.0	5.8	72.6	.77	81.0	81.9	„	0.0					
6 „	.920	.106	80.4	75.5	4.9	73.5	.80	80.5	81.8	SSE	0.2					
7 „	.939	.126	82.3	76.0	6.3	73.5	.75	82.1	81.9	„	0.1					
8 „	.965	.210	85.4	75.4	10.0	71.2	.64	84.5	82.0	„	0.1					
9 „	.981	.259	87.0	75.0	12.0	69.8	.58	86.2	82.5	„	0.1					
10 „	.974	.260	89.5	75.5	14.0	69.5	.53	87.5	82.7	„	0.1					
11 „	.961	.264	91.0	75.5	15.5	68.7	.49	88.2	83.2	„	0.1	None.	None.	None.	None.	None.
Noon.	.927	.134	91.0	78.0	13.0	72.8	.57	88.5	83.5	WNW	0.3					
1 p. m.	.882	.067	91.2	78.5	12.7	73.5	.58	89.0	83.7	„	0.4					
2 „	.840	28.910	90.4	81.0	9.4	77.7	.67	88.7	83.9	„	0.5					
3 „	.818	.932	89.7	79.8	9.9	76.2	.66	88.2	84.1	„	0.4					
4 „	.832	.976	89.4	79.0	10.4	75.1	.64	88.0	84.3	„	0.6					
5 „	.812	.904	87.0	79.6	7.4	76.9	.73	86.6	84.3	„	0.4					
6 „	.831	.966	84·0	77.8	6.2	75.4	.76	83.9	83.9	„	0.5					
7 „	.864	29.022	82.8	76.9	5.9	74.6	.77	82.9	83.4	NW b N	0.1					
8 „	.873	.055	81.8	76.0	5.8	73.7	.77	82.0	83.1	SW b W	0.1					
9 „	.890	.087	80.4	75.2	5.2	73.1	.79	81.0	83.0	SW	0.2					
10 „	.899	.061	81.4	76.4	5.0	74.4	.80	81.4	82.8	S b W	0.2					
11 „	.909	.104	81.2	75.5	5.7	73.2	.77	81.0	82.7	S b E	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-struti; and ∿ nimbi.	
0	K	A few pieces of ∿ above E hor.	
0	N	A few pieces of ∿ about NE and E hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	C	" "	
0	C	Pieces of ∿ scattered along E hor.	
0	C	Clear, except in hor.	
0	C	A few pieces of ∿ about E hor.	
0	K	Clear; dew falling.	
0	K	" "	
0	K	" "	
0	K	A few pieces of ∿ scattered about NE and E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 80°8.
1	B	Patches of ∿ scattered around hor.	
2	B	"	
2	B	∿ scattered about, moving S.	
2	B	" "	
4	C	" "	
3	C	∿ scattered about, moving NNW.	
3	C	∿ scattered about, moving NW; light mist in hor.	
1	C	Patches of ∿ scattered here and there about hor.; mist in hor.	
0	K	Patches of ∿ scattered about hor. from NW to SE; light mist in hor.	
0	K	Pieces of ∿ scattered about, moving W; light mist in hor.	
0	K	Light mist along E hor., otherwise clear.	
0	K	" "	
0	C	∩ along E hor., otherwise clear.	
0	C	" "	
0	K	" "	
0	K	" "	
2	C	∩ along E hor.; ∿ scattered in ESE, SE, and S.	
5	C	∩ along E hor.; ∿ scattered about, moving W; lightning along E hor. observed after 6h. 56m.	
4	C	∿ scattered about; continuous lightning along E hor.	
3	C	∿ scattered about hor.; lightning in SE hor. at intervals of 5m.	
4	K	∿ scattered about, moving SW; lightning in SSE at intervals of 14s.; passing drops of rain at 9h. 5m. which lasted 5m.	
4	K	Clouded as before; lightning in SSE every half minute.	
3	K	∿ scattered about hor.; lightning in ESE at intervals of 19s.	
0	K	A few masses of light ∿ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 80°8. Corrected reading of barometer at 9 A. M. was 29°981 highest in the month, and about 0.083in. higher than the normal mean.
1	B	Light ∿ scattered about hor.	
4	B	"	
2	B	"	
2	B	"	
2	C	"	
3	C	∿ along E hor.; ∿ scattered about remainder of hor.; light mist in hor.	
1	C	∿ scattered along E hor.; light mist in hor.	
1	C	"	
0	K	A few patches of ∿ above SE and S hor.; light mist in hor.	
0	K	" " "	
0	K	A few patches of ∿ scattered about hor.	
0	K	Clear.	
0	C	∩ along E hor.	
2	C	"	
2	K	"	
2	K	∩ along E hor.; a few ∿ above E hor.	
2	C	∿ scattered about hor. from WNW to SE.	
1	C	∿ scattered around hor.	
1	C	"	
2	C	"	
2	K	∿ scattered about hor.; lightning in NE observed after 9h. 7m.	
3	K	Light ∿ scattered about, moving N; lightning in NE hor. at intervals of 1m. 46s.	
2	K	Light ∿ scattered about, moving NE.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 0 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newmann's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 2nd-Midnight	29.896	29.047	80°8	76°5	4°3	74°8	0.83	80°8	82°5	SW	0.0					
1 a. m.	.871	.019	80·5	76.5	4.0	74.9	.84	80.7	82.5	„	0.0					
2 „	.851	.003	79·8	76.2	3.6	74.8	.85	80.3	82.2	„	0.0					
3 „	.839	.027	78.8	75.0	3.8	73.4	.84	79.5	82.0	„	0.0					
4 „	.838	.055	78.0	74.0	4.0	72.3	.83	78.5	81.7	„	0.0					
5 „	.862	.056	77.7	74.5	3.2	73.2	.87	78.1	81.5	NW b W	0.0					
6 „	.874	.044	77.2	75.0	2.2	74.1	.91	77.7	81.3	„	0.0					
7 „	.895	.057	80.0	76.0	4.0	74.4	.84	80.3	81.5	NW	0.0					
8 „	.932	.080	83.4	77.3	6.1	74.9	.76	82.5	81.7	„	0.0					
9 „	.945	.029	85.4	79.4	6.0	77.2	.77	84.2	82.2	„	0.0					
10 „	.935	.023	86.6	79.6	7.0	77.1	.74	85.0	82.5	„	0.3					
11 „	.922	.000	87.2	80.0	7.2	77.4	.74	85.6	82.8	„	0.4					
Noon.	.899	.007	87.6	79.4	8.2	76.4	.70	86.2	83.0	„	0.4					
1 p. m.	.853	.024	88.0	78.0	10.0	74.1	.65	86.6	83.3	„	0.6		None.			
2 „	.818	.007	89.6	78.0	11.6	73.4	.60	88.0	83.5	WNW	0.7					
3 „	.812	.030	90.4	77.5	12.9	72.2	.56	88.6	83.7	„	0.6					
4 „	.829	.005	90.4	78.5	11.9	73.9	.59	88.4	84.3	NW	0.2					
5 „	.845	.081	87.1	76.1	11.0	71.5	.61	86.0	84.0	„	0.1					
6 „	.882	.236	82.1	71.5	10.6	66.4	.60	81.1	83.5	N	0.1	0.03		Out of Sc.	Out of Sc.	Instantly.
7 „	.887	.138	83.2	74.6	8.6	70.9	.66	83.0	83.2	E b N	0.3	0.02		Out of Sc.	Out of Sc.	Instantly.
8 „	.895	.242	83.7	72.2	11.5	66.7	.58	83.2	83.1	ENE	1.0					
9 „	.888	.146	83.5	74.5	9.0	70.6	.67	83.0	83.0	NE	0.2					
10 „	.878	.200	80.8	72.0	8.8	67.9	.66	80.9	82.7	„	0.0					
11 „	.862	.085	80.6	74.6	6.0	72.0	.76	80.8	82.6	„	0.0					
Apr. 4th-Midnight	.830	.179	83·3	72.0	11.3	66.6	.58	82.9	83.1	E b S	0.8					
1 a. m.	.809	.194	81.6	70.5	11.1	64.9	.59	81.6	82.7	„	0.4					
2 „	.800	.186	81.4	70.4	11.0	64.9	.59	81.4	82.6	„	0.3					
3 „	.805	.193	80.4	70.0	10.4	64.8	.60	80.4	82.4	„	0.0					
4 „	.803	.217	78.4	68.6	9.8	63.4	.62	78.4	82.0	„	0.0					
5 „	.822	.224	79.2	69.2	10.0	64.1	.61	79.2	81.9	„	0.0					
6 „	.838	.101	79.5	73.2	6.3	70.4	.75	79.5	81.7	„	0.0					
7 „	.853	.054	81.8	75.5	6.3	73.0	.75	81.3	81.9	„	0.1					
8 „	.867	.110	83.2	74.8	8.4	71.3	.68	82.8	82.0	„	0.0					
9 „	.879	.071	86.3	77.0	9.3	73.3	.66	86.2	82.4	ESE	0.0					
10 „	.877	.116	87.0	76.0	11.0	71.4	.61	86.0	82.7	E b S	0·1		+	3		Above 10m.
11 „	.864	.149	88.7	75.3	13.4	69.5	.55	87.0	83.0	NW b N	0.2	None.			None.	
Noon.	.836	.116	88.8	78.0	10.8	73.7	.62	87.0	83.5	NW b W	0.1					
1 p. m.	.819	.010	89.8	78.0	11.8	73.3	.60	88.2	83.6	WNW	0.2					
2 „	.793	28.882	90.6	80.6	10.0	77.0	.66	88.5	84.0	„	0.4					
3 „	.759	.875	90.0	79.8	10.2	76.1	.65	88.2	84.3	„	0.3					
4 „	.745	.850	89.6	80.0	9.6	76.5	.67	88.2	84.5	NW b W	0.2					
5 „	.744	.832	88.1	80.0	8.1	77.1	.71	87.0	84.7	WNW	0.3					
6 „	.757	.895	85.0	78.0	7.0	75.3	.74	84.8	84.4	NW b N	0.2					
7 „	.777	.887	83.6	78.3	5.3	76.3	.80	83.6	84.0	NW	0.3					
8 „	.805	.918	82.7	78.0	4.7	76.2	.82	82.9	83.8	„	0.3					
9 „	.819	.898	82.0	78.6	3.4	77.4	.86	82.3	83.4	„	0.1					
10 „	.835	.910	81.2	78.5	2.7	77.5	.89	81.6	83.1	„	0·0					
11 „	.816	.886	80.8	78.5	2.3	77.7	.91	81.2	83.0	SW	0.0					
Apr. 5th-Midnight	.817	.848	81.0	79.5	1.5	78.7	.94	81.5	83.0	W b N	0.1		+	6		3.04
1 a. m.	.801	.876	80.0	78.2	1.8	77.5	.92	80.5	82.8	„	0.0		+	6		3.26
2 „	.800	.889	79.4	77.7	1.7	77.0	.93	80.0	82.7	„	0.0		+	3		3.50
3 „	.799	.960	77.8	75.4	2.4	74.4	.90	78.5	82.5	„	0.0					
4 „	.797	.969	77.4	75.0	2.4	74.0	.90	77.8	82.3	„	0.0					
5 „	.804	.956	77.3	75.5	1.8	74.3	.92	77.8	82.0	„	0.0	None.			None.	
6 „	.817	.920	78.2	77.0	1.2	76.5	.95	78.9	81.8	SW b S	0.0					
7 „	.851	.971	80.5	77.2	3.3	75.9	.87	80.8	81.7	S b W	0.0					
8 „	.876	.992	83.0	78.0	5.0	76.1	.80	82.6	82.1	E b S	0.0					
9 „	.881	.977	85.0	79.0	6.0	76.8	.77	83.9	82.5	„	0.0					
10 „	.890	.966	87.0	80.0	7.0	77.5	.74	86.0	82.7	„	0.0		+	2		Above 10m.
11 „	.873	29.088	88.4	77.0	11.4	72.4	.60	86.4	83.0	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∩∪ nimbi.	
0	K	Pieces of ≀∩ scattered about hor. from W to NE.	Mean daily temperature of ground 20 and 60 inches below its surface 80°3 and 80°9. Daily fall of rain by Osler's gauge 0.05; maximum tension of electricity by Henly's apparatus 30.0; maximum length of spark by Ronald's measure 0.36; in this month the lowest temperature of external and free air occurred at 6 A. M. of this day.
2	B	Light ≀∩ scattered around hor. and about zth., moving W.	
1	B	Light ≀∩ scattered around hor.	
0	B	A few patches of ≀∩ in hor.	
2	B	≀∩ scattered about hor., moving W.	
2	C	≀∩ scattered about, moving W; dew falling.	
1	C	≀∩ scattered about hor. from NE to SW; dew falling.	
1	C	≀∩ scattered from E to SW hor.; mist and fog in hor.	
0	C	Mist around hor.	
0	K	"	
0	K	"	
0	K	A few ∩ in E hor.; mist along E hor.	
0	K	∩ along E hor., otherwise cloudless.	
2	C	∩ along E hor.; a few pieces of ≀∩ above SE hor.	
2	C	∩ along E hor., otherwise cloudless.	
3	B	Electrical ∩ along E hor.; pieces of ≀∩ scattered about hor.	
4	B	Electrical clouds from N to SE hor.; ≀∩ scattered about hor.	
8	B	Overcast with ≀∪ and ≀∩, former moving S; lightning and thunder in N; rain commenced at 5h. 25m.	
8	B	Overcast with ≀∪, moving SW; lightning and thunder continually noticed in NW; raining lightly till 6h. 18m. but	
5	B	≀∩ scattered about, moving W. [recommenced at 6h. 30m. which lasted 0m.	
4	B	Masses of ≀∪ scattered about, moving S.	
2	B	≀∩ scattered arround hor.	
2	B	"	
2	B	"	
7	B	≀∪ scattered throughout, moving S.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 81°1. The reading of wet bulb thermometer at 4 A. M. was 68°6 lowest in the month, and 5°2 lower than the normal mean.
7	K	≀∪ scattered throughout, moving NE; lightning in E hor. at intervals of 1m. 16s.	
4	K	≀∪ scattered about, moving NW; continuous lightning in SE hor.	
5	K	≀∪ scattered about, moving SE; lightning in SE hor. every 16s.	
2	K	≀∪ scattered about *hor.*, moving SE; lightning in SE hor. at intervals of 23s.	
2	B	≀∪ scattered about hor., moving SE; *lightning* in SE hor. at intervals of 11s.	
3	B	≀∪-like clouds scattered about hor.	
0	B	A few masses of clouds above W and N hor.	
3	B	≀∩ scattered about hor., moving NW.	
4	C	≀∩ scattered about, moving NW.	
5	C	" "	
5	C	≀∩ scattered about, moving NNW.	
5	C	" "	
5	K	≀∩ scattered about, moving NW.	
2	K	Dense ≀∩ around hor., moving NE.	
0	K	" "	
0	K	Patches of ≀∩ in N above hor.; ≀ scattered along E hor.	
0	B	Patches of ≀∩ scattered here and there.	
0	B	A few pieces of ≀∩ in SE and E hor.	
0	B	A few pieces of ≀∩ above E hor.	
0	B	Clear, except in hor.	
0	C	A few pieces of ≀∩ above hor.; dew falling.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 81°1.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	B	A few pieces of ≀∩ above N hor.; dew falling.	
0	B	A few pieces of ≀∩ above NE hor.; dew falling.	
0	B	Clear.	
0	B	"	
0	C	Light mist along E hor.	
0	C	"	
0	C	Clear.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 5th—Noon.	29.857	28.974	89°2	79°6	9°6	76°0	0.66	87°0	83°5	W b N	0.1					
1 p.m.	.827	.989	91.0	79.0	12.0	74.4	.59	88.8	83.8	„	0.2		+	2		Above 10m.
2 „	.801	29.033	92.8	77.8	15.0	71.7	.52	90.2	84.4	W b S	0·2					
3 „	.775	28.976	93.8	78.8	15.0	73.0	.52	91.0	84.6	W	0.2					
4 „	.765	.885	93.0	80.5	12.5	75.9	.59	90.5	85.0	W b N	0.2					
5 „	.763	.826	89.0	80.8	8.2	77.9	.71	87.8	85.1	„	0.2					
6 „	.766	.852	86.0	79.5	6.5	77.1	.76	85.5	84.8	NW b W	0.2	None.			None.	
7 „	.773	.849	84.3	79.3	5.0	77.5	.81	84.3	84.4	WNW	0.2					
8 „	.796	.870	83.0	79.0	4.0	77.5	.84	83.2	84.1	„	0.0		+	2		1.11
9 „	.807	.862	82.4	79.3	3.1	78.2	.87	82.8	83.9	„	0.0		+	2		Above 10m.
10 „	.830	.891	81.8	79.0	2.8	78.0	.89	82.4	83.8	NW b W	0.0					
11 „	.837	.891	81.2	79.0	2.2	78.2	.91	81.7	83.4	„	0.0					
Apr. 6th—Midnight	.836	.907	80.8	78.4	2.4	77.5	.90	81.6	83.3	NW b W	0.0		+	8	8	2.26
1 a.m.	.822	.909	80.4	78.0	2.4	77.1	.90	81.0	83.3	„	0.0					
2 „	.813	.884	80.4	78.4	2.0	77.6	.92	80.8	83.2	SSW	0.0					
3 „	.800	.900	79.8	77.5	2.3	76.6	.90	80.0	83.0	SW b S	0.0					
4 „	.800	.889	79.8	77.8	2.0	77.0	.92	80.2	82.8	SSW	0.0					
5 „	.814	.899	79.4	77.8	1.6	77.2	.93	80.0	82.7	S b W	0.2					
6 „	.828	.948	78.3	76.6	1.7	75.9	.93	79.2	82.4	S b E	0.1					
7 „	.851	.984	80.9	77.0	3.9	75.5	.84	80.9	82.4	„	0.0					
8 „	.877	29.017	83.0	77.4	5.6	75.2	.78	82.8	82.5	„	0.0					
9 „	.882	28.976	84.8	79.0	5.8	76.8	.78	84.0	82.9	„	0.1					
10 „	.884	29.014	86.6	78.6	8.0	75.6	.71	85.0	83.1	SSW	0.0					
11 „	.876	28.926	88.5	81.0	7.5	78.3	.73	86.6	83.3	SW	0.2	None.				
Noon.	.853	.908	89.0	81.0	8.0	78.2	.71	87.0	83.7	SW b W	0.2					
1 p.m.	.823	.924	90.0	80.3	9.7	76.8	.66	88.0	84.0	„	0.3					
2 „	.808	.876	90.2	81.0	9.2	77.7	.68	88.2	84.4	WSW	0.3					
3 „	.790	.823	90.2	81.8	8.4	78.9	.70	88.4	84.5	„	0·3					
4 „	.786	.865	89.2	80.5	8.7	77.4	.69	87.8	84.7	W b S	0.2					
5 „	.780	.869	87.1	79.7	7.4	77.0	.73	86.2	84.8	SW b W	0.1					
6 „	.781	.869	84.3	79.0	5.3	77.1	.80	84.0	84.5	SW	0.1					
7 „	.797	.877	82.8	78.8	4.0	77.3	.84	82.9	83.9	„	0.1					
8 „	.808	.877	82.0	78.4	3·6	77.0	.86	82.1	83.9	„	0.0					
9 „	.824	.905	81.3	78.3	3.0	77.2	.88	81.8	83.6	SW b S	0.1					
10 „	.835	.927	80.8	78.0	2.8	76.9	.89	81.3	83.5	„	0.0					
11 „	.840	.920	80.5	78.2	2.3	77.3	.91	81.1	83.2	„	0.0					
Apr. 7th—Midnight	.835	.937	80.2	77.6	2.6	76.6	.89	80.9	83.0	SW b S	0.0					
1 a.m.	.830	.970	79.4	76.4	3.0	75.2	.88	80.0	83.0	„	0.0					
2 „	.817	.968	79.0	76.0	3.0	74.8	.88	79.4	82.7	SW	0.0					
3 „	.805	.943	79.2	76.4	2.8	75·3	.88	79.5	82.6	„	0.3					
4 „	.816	.930	79.2	77.0	2.2	76.1	.91	79.5	82.5	SE b S	0.3					
5 „	.828	.968	78.0	76.0	2.0	75.2	.92	78.5	82.3	SE	0.5					
6 „	.856	.998	78.4	76.0	2.4	75.1	.90	78.8	82.0	„	0·2					
7 „	.884	29.024	80.8	76.8	4.0	75.2	.84	80.9	82.0	„	0·0					
8 „	.900	.037	83.1	77.5	5.6	75.3	.78	82.9	82.4	„	0.2					
9 „	.910	.063	85.2	77.7	7.5	74.7	.72	84.4	82.7	S b E	0.2					
10 „	.898	28.985	88.0	80.0	8.0	77.1	.71	86.5	83.0	„	0.3					
11 „	.882	.939	89.2	81.0	8.2	78.1	.71	87.1	83.4	S	0·4					
Noon.	.852	.920	89.0	80.7	8.3	77.7	.70	87.0	83.6	SSW	0.2	None.			None.	
1 p.m.	.821	.923	89.4	80.0	9.4	76.6	.67	87.3	83.8	SW b W	0.2		+	2		Above 10m.
2 „	.791	.889	89.0	80.0	9.0	76.7	.68	87.0	84.0	WSW	0.4		+	3		Above 10m.
3 „	.780	.865	89.4	80.4	9.0	77.2	.68	87.6	84.3	„	0.3		+	6		2.45
4 „	.765	.857	89.2	80 2	9.0	76.9	.68	87.5	84.5	W b S	0.3		+	5		3.10
5 „	.774	.850	87.0	80.0	7.0	77.5	.74	86.1	84.6	SW b W	0.1		+	6		4.15
6 „	.782	.917	84.0	77.8	6.2	75.4	.76	83.9	84.3	„	0.1		+	3		0.16
7 „	.807	.912	82.7	78.2	4.5	76.5	.82	82.8	84.0	WSW	0.1.					
8 „	.813	.936	81.8	77.5	4.3	75.8	.83	81.9	83.7	„	0.1					
9 „	.832	.939	81.5	77.8	3.7	76.4	.84	81.5	83.5	„	0.0					
10 „	.843	.949	80.6	77.6	3.0	76.4	.88	81.0	83.3	„	0.0					
11 „	.838	.954	80.1	77.2	2.9	76.4	.88	80.6	83.1	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In *recording these Observations*, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
0	C	Clear.	
0	K	⌒ in E hor., otherwise clear.	
0	K	⌒ along E hor.	
0	K	"	
0	K	⌒ in E hor.	
0	C	Clear.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few pieces of ≋ above N and E hor.; dew falling.	
1	C	≋ scattered about hor. except in NW and N; dew falling.	
4	C	≋ scattered about, moving SE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 81°1.
3	K	≋ scattered in E hem., moving SE; dew falling.	
4	K	≋ scattered about hor., moving SE; dew falling.	
3	K	" " "	
0	K	≋ scattered here and there, moving SE; dew falling.	
1	B	Pieces of ≋ scattered here and there, moving S; dew falling.	
2	B	" " " "	
3	B	≋ scattered about, moving S.	
3	B	" "	
3	C	" "	
2	C	≋ scattered about, moving N.	
1	C	≋ scattered about W hor. and in E, moving N.	
1	C	≋ scattered about E and W hor.	
0	K	Clear.	
0	K	A few pieces of ≋ above E and W hor., moving NE.	
2	K	≋ scattered about, moving NE.	
0	K	A few pieces of ≋ along E hor.	
0	C	Clear.	
0	C	A few pieces of ≋ scattered along E hor., moving SE.	
0	B	A few pieces of ≋ above E hor.	
0	B	Clear, except in hor.	
0	B	Clear; dew falling.	
0	B	" "	
3	C	≋ scattered about, moving NNE; dew falling.	
3	C	≋ scattered about, moving N; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 81°1.
2	K	≋ scattered about hor., moving N; dew falling.	
1	K	≋ scattered around hor.; dew falling.	
1	K	≋ scattered about hor. from ESE to WNW, moving NW; dew falling.	
2	K	Patches of ≋ scattered about, moving NW.	
4	B	" "	
4	B	≋ scattered about, moving W.	
4	B	≋ scattered about, moving NW.	
4	B	" "	
2	C	" "	
1	C	≋ scattered around hor., moving NW.	
0	C	A few patches of ≋ around hor.	
0	C	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	A few pieces of ≋ around hor.	
3	C	Dense masses of ≋ scattered about, moving NE.	
4	C	" " "	
3	B	" " "	
0	B	A few pieces of ≋, moving NE.	
0	B	A few pieces of ≋ along W hor.	
0	B	Clear; dew falling.	
0	C	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 8th-Midnight	29.818	28.945	80°4	77°0	3°4	75°7	0.86	80°9	82°9	SW b S	0.2					
1 a. m.	.808	.935	80.4	77.0	3.4	75.7	.86	80.6	82.8	S b W	0·2					
2 „	.797	.907	79.6	77.2	2.4	76.3	.90	79.8	82.7	S	0·2					
3 „	.797	.968	79.0	75.5	3.5	74.1	.86	79.0	82.5	„	0.0					
4 „	.803	.939	78.4	76.2	2.2	75.4	.91	78.6	82.3	„	0.0					
5 „	.824	.972	79.2	76.2	3.0	75.0	.88	79.2	82.2	SSE	0.2					
6 „	.845	29.056	79.2	74.5	4.7	72.6	.81	79.3	82.1	„	0.2					
7 „	.866	.006	81.5	77.0	4.5	75.2	.82	81.5	82.0	S b E	0.2					
8 „	.886	.001	84.4	78.4	6.0	76.1	.77	84.0	82.4	S	0.3					
9 „	.887	28.954	86.2	80.0	6.2	77.8	.77	85.5	82.9	„	0·5					
10 „	.885	.939	88.9	81.0	7.9	78.2	.72	87.0	83.2	S b W	0.3					
11 „	.864	.931	89.7	80.9	8.8	77.8	.69	87.5	83.7	SSW	0.4	None.	None.	None.	None.	None.
Noon.	.835	.936	89.3	80.0	9.3	76.6	.67	87.2	83.8	SW	0.4					
1 p. m.	.814	.906	90.0	80.4	9.6	76.9	.67	87.7	84.1	WSW	0·4					
2 „	.789	.868	90.4	80.8	9.6	77.4	.67	88.4	84.4	W b S	0·3					
3 „	.765	.839	90.0	80.8	9.2	77.5	.68	88.0	84.5	„	0·3					
4 „	.757	.855	89.0	80.0	9.0	76.7	.68	87.5	84.7	WNW	0·3					
5 „	.759	.833	86.8	80.0	6.8	77.5	.75	86.0	84.8	W b N	0·2					
6 „	.765	.815	84.6	80.0	4.6	78.3	.82	84.3	84.5	„	0·0					
7 „	.779	.854	83.1	79.0	4.1	77.5	.84	83.0	84.4	„	0·0					
8 „	.797	.866	82.5	79.0	3.5	77.7	.86	82.8	84.2	SW	0·0					
9 „	.826	.909	82.0	78.5	3.5	77.2	.86	82.2	83.8	„	0·0					
10 „	.834	.919	81.3	78.3	3.0	77.2	.88	81.6	83.6	„	0.0					
11 „	.833	.919	80.6	78.1	2.5	77.1	.90	81.3	83.3	„	0.0					
Apr. 9th-Midnight	.824	.918	81.0	78.0	3·0	76.8	.88	81.5	83.1	S b W	0.1					
1 a. m.	.804	.914	81.0	77.6	3.4	76.3	.86	81.2	83.1	„	0.2					
2 „	.782	.899	80.2	77.2	3.0	76.0	.88	80.5	82.8	SW	0.0					
3 „	.780	.920	79.4	76.4	3.0	75.2	.88	79.8	82.7	„	0.0					
4 „	.787	.903	79.4	77.0	2.4	76.1	.90	79.8	82.5	SSW	0.2					
5 „	.795	.931	79.4	76.5	2.9	75.4	.89	79.6	82.3	S b E	0.0					
6 „	.824	.967	79.0	76.2	2.8	75.1	.88	79.4	82.3	SE	0.0					
7 „	.850	.973	81.9	77.5	4.4	75.8	.83	81.8	82.4	E	0.1					
8 „	.871	.998	84.0	78.0	6.0	75.7	.77	83.0	82.6	E b N	0.1		+	18	14	0.37
9 „	.890	29.046	86.6	78.0	8.6	74.6	.69	85·1	83.0	„	0.1		+ +	8	6	0.05
10 „	.880	·058	88.6	78.0	10.6	73.8	.63	86.5	83.2	SSW	0·1		+	3		0.04
11 „	.865	28.994	89.6	79.4	10·2	75.6	.65	87.4	83.7	SW b W	0·1	None.				
Noon.	.836	.964	90.2	79.6	10.6	75.6	.63	88.0	84.0	W b S	0.2					
1 p. m.	.805	.878	90.6	81.0	9.6	77.6	.67	88.4	84.2	WSW	0.2					
2 „	.789	.849	91.0	81.4	9.6	78.0	.67	89.0	84.5	W	0·2					
3 „	.769	.841	89.8	80.8	9.0	77.6	.68	88.8	84.7	„	0.3					
4 „	.756	.823	89.8	80.8	9.0	77.6	.68	88.2	84.9	W b N	0.3					
5 „	.758	.800	87.8	81.0	6.8	78.6	.71	86.7	85.0	W	0.1					
6 „	.768	.822	85.2	80.0	5.2	78.2	.80	84.9	84.7	„	0·0					
7 „	.779	.834	83.6	79.6	4.0	78.2	.84	83.6	84.3	„	0·0					
8 „	.790	.862	82.8	79.0	3.8	77.6	.85	83.0	84.0	„	0·0					
9 „	.801	.880	82.0	78.6	3.4	77.4	.86	82·5	83.8	„	0·0					
10 „	.822	.932	80.7	77.5	3.2	76.3	.87	81.4	83.6	„	0.0					
11 „	.832	.913	80.6	78.2	2.4	77.3	.90	81.0	83.3	SW	0·0					
Apr. 11th-Midnight	.840	.905	80.2	77.0	3.2	75.8	.87	80.8	83.1	NNW	0.0					
1 a. m.	.840	.991	79.0	76.0	3.0	74.8	.88	80.0	83.0	„	0.0					
2 „	.829	29.021	79.2	75.0	4.2	73.3	.83	79.5	82.8	„	0.0					
3 „	.813	28.919	80.6	77.6	3.0	76.4	.88	80.8	82.6	S	0.2					
4 „	.821	.972	80.4	76.4	4.0	74.8	.84	80.6	82.6	SSW	0.1					
5 „	.833	.963	80.6	77.0	3.6	75.7	.85	80.8	82.6	„	0.3	None.	None.	None.	None.	None.
6 „	.854	.983	80.5	77.0	3.5	75.6	.86	80.6	82.5	„	0.3					
7 „	.882	.994	82.6	78.0	4.6	76.2	.82	82.5	82.5	S b W	0.2					
8 „	.899	.971	84.8	79.5	5.3	77.6	.80	84.3	82.8	S	0·3					
9 „	.915	.977	87.2	80.4	6.8	77.9	.75	85.9	83.1	„	0·2					
10 „	.907	.982	88.8	80.3	8.5	77.5	.70	86.9	83.5	„	0.2					
11 „	.893	29.001	90.0	80.0	10.0	76.4	.65	87.4	83.9	SSW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Ci cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu cumulo-strati; and Ni nimbi.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 81°3.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
4	B	Ci scattered about, moving NW.	
1	B	Pieces of Ci, moving NW.	
0	B	Clear.	
0	B	A few pieces of Ci from N to W.	
2	C	Ci scattered around hor., except in SE and S, moving N.	
2	C	Pieces of Ci scattered here and there, moving N.	
1	C	Patches of Ci along W hor., moving NNW.	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	A few clouds in E hor.	
0	C	Ci scattered along E hor., moving ENE.	
0	C	A few clouds in E hor.	
0	B	Clear.	
0	B	A few pieces of Ci, moving E.	
1	B	" "	
0	B	A few pieces of clouds above S and E hor.; dew falling.	
0	C	" " "	
0	C	Pieces of Ci scattered about, moving W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 81°5.
0	K	Clear, except in hor.	
0	K	Pieces of Ci scattered about, moving W.	
0	K	Pieces of Ci scattered around hor.	
0	K	Pieces of Ci scattered here and there.	
0	B	Pieces of Ci scattered about; dew falling.	
0	B	A few pieces of Ci scattered about zth.	
0	B	A few pieces of Ci in SE, S, SW, and W hor.	
0	B	A few pieces of Ci above W hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	A few clouds in E hor.	
0	K	A few clouds in ESE hor.	
0	C	"	
0	C	A few clouds in E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 81°6.
0	K	" "	
0	K	Clear.	
0	K	"	
0	B	"	
0	B	A few pieces of Ci above E hor.	
1	B	Patches of Ci scattered about, moving N.	
1	B	" "	
1	B	Patches of Ci scattered around hor., moving N.	
2	C	Dense Ci scattered around hor. and in S of zth.	
0	C	A few patches of clouds above N hor.	
0	C	Clear.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 11th-Noon.	29.863	28.960	89°8	80°3	9°5	76°7	0.67	87°6	84°3	WSW	0.2					
1 p. m.	.843	.984	89.8	79.2	10.6	75.2	.63	87.5	84.3	WNW	0.2					
2 „	.818	.966	89.7	79.0	10.7	74.9	.63	88.0	84.5	NW	0·4					
3 „	.792	.919	89.4	79.4	10.0	75.7	.65	87.7	84.5	„	0.6					
4 „	.776	.942	88.3	78.2	10.1	74.3	.65	87.0	84.6	„	0.9					
5 „	.772	.928	86.6	78.0	8.6	74.6	.69	85.8	84.5	NW b N	0.4	None.			None.	
6 „	.790	.924	84.6	78.0	6.6	75·4	.75	84.3	84.2	NNW	0.3					
7 „	.801	.961	83.4	77.0	6.4	74.5	.75	83.3	84.1	„	0.5					
8 „	.816	.978	82.8	76.8	6.0	74.4	.77	82.9	83.9	N b W	0.5					
9 „	.831	.987	82.4	76.8	5.6	74.6	.78	82.5	83.6	NNW	0.1					
10 „	.842	.979	81.3	77.0	4.3	75.3	.83	81.7	83.5	„	0.0					
11 „	.829	.984	80.4	76.3	4.1	74.7	.83	81.0	83.2	N b W	0.0		+	2		Above 10m.
Apr. 12th-Midnight	.814	.959	80.2	76.5	3.7	75.0	.85	80.7	83.0	N b W	0.1					
1 a. m.	.804	.988	79.2	75.2	4.0	73.6	.84	79.8	82·8	„	0.0					
2 „	.793	.976	78.4	75.0	3.4	73.6	.86	78.8	82.6	„	0.0					
3 „	.788	.961	78.2	75.2	3.0	74.0	.87	78.8	82.5	N	0.0					
4 „	.799	.978	78.0	75.0	3.0	73.8	.87	78.4	82.3	„	0.0		+	3		2.05
5 „	.806	.943	79.5	76.5	3.0	75.3	.88	79.7	82.3	SE	0.0					
6 „	.825	.948	80.0	77.0	3.0	75.8	.88	80.2	82.2	SSE	0.0					
7 „	.852	.990	82.5	77.3	5.2	75.3	.80	82.4	82.3	„	0·1					
8 „	.872	.968	85.0	79.0	6.0	76.8	.77	84.3	82.6	S	0.1					
9 „	.885	.968	87.6	80.0	7.6	77.2	.72	86.0	83.2	„	0.1					
10 „	.880	.979	89.1	80.0	9.1	76.7	.68	86·9	83.5	SW b S	0·2	None.			None.	
11 „	.873	.987	89.7	79.8	9.9	76.1	.66	87.2	83.7	WSW	0·2					
Noon.	.857	29.003	89.5	79.0	10.5	75.0	.64	87.1	83.9	„	0·4					
1 p. m.	.830	28.983	90.2	79.0	11.2	74.7	.62	88·8	84.1	„	0.2					
2 „	.809	.979	90.8	78.8	12.0	74.1	.59	88.5	84.4	W b S	0·2					
3 „	.791	.989	91.2	78.2	13.0	73.0	.57	89.0	84.5	WSW	0.2					
4 „	.773	.970	90.4	78.0	12.4	73.1	.58	88.2	84.7	„	0.2					
5 „	.767	.980	88.2	77.0	11.2	72.5	.61	86.3	84.7	„	0.2					
6 „	.775	.985	85.4	76.3	9.1	72.6	.67	84.9	84.5	SW b W	0.1					
7 „	.779	.980	83.5	76.0	7.5	73.0	.72	83.5	84.2	„	0.0					
8 „	.794	.987	82.8	76.0	6.8	73.2	.74	82.8	84.0	„	0·2					
9 „	.803	.989	82.2	76.0	6.2	73.5	.76	82.2	83.7	„	0.1					
10 „	.808	.992	82.0	76.0	6.0	73.6	.77	82.0	83.6	WSW	0.1					
11 „	.810	.987	81.4	76.0	5.4	73.8	.79	81.5	83.3	„	0.1					
Apr. 13th-Midnight	.790	.963	81.0	76.0	5.0	74.0	.80	81.1	83.1	W	0.0		+	2		Above 10m.
1 a. m.	.773	.974	80.0	75.0	5.0	73.0	.80	80.4	83.0	„	0.0		+ +	2		Above 10m.
2 „	.760	.972	79.6	74.6	5.0	72.5	.80	79.8	82.8	„	0.0		+	2		Above 10m.
3 „	.755	.954	79.2	74.8	4.4	73.0	.82	79.2	82.6	W b S	0.0					
4 „	.764	.954	79.0	75.0	4.0	73.3	.84	79.2	82.5	„	0.0					
5 „	.774	.964	79.0	75 0	4.0	73.3	.84	79.2	82.4	WSW	0·0					
6 „	.789	.976	78.7	75.0	3.7	73.5	.86	79.2	82.3	„	0·0					
7 „	.818	.963	82.0	77.0	5.0	75.0	.80	81.9	82.4	SE	0.2					
8 „	.847	.980	84.5	78.0	6.5	75.5	.75	83.9	82.6	S	0.1					
9 „	.871	29.021	86.8	78.2	8.6	74.8	.69	85.0	83.0	SW b S	0.1					
10 „	.870	.038	87.7	78.0	9.7	74.2	.66	85.9	83.2	SW	0.1					
11 „	.859	.035	89.2	78.2	11.0	73.9	.62	86.9	83.5	WSW	0.1					
Noon.	.838	28.985	89.6	79.0	10.6	75.0	.63	87.1	83.8	„	0.1					
1 p. m.	.818	.980	91.0	79.0	12.0	74.4	.59	88.0	84.1	SW	0.2	None.			None.	
2 „	.785	.932	91.2	79.4	11.8	75.0	.60	88.7	84.4	„	0·1					
3 „	.770	.896	91.6	80.0	11.6	75.7	.61	89.7	84.6	SSW	0·4					
4 „	.766	.928	91.0	79.0	12.0	74.4	.59	88.8	84.8	„	0·5					
5 „	.759	.964	88.2	77.2	11.0	72.8	.61	86.8	84.8	SW b S	0·2					
6 „	.772	.925	85.2	77.7	7.5	74.7	.72	84.9	84.5	SW	0.1					
7 „	.775	.916	83.5	77.5	6.0	75.2	.77	83.4	84.4	SW b S	0·1					
8 „	.776	.899	82.9	77.8	5.1	75.8	.80	82.9	84.1	SSW	0.2					
9 „	.789	.898	82.4	78.0	4.4	76.3	.83	82.5	83.8	SW b S	0.2					
10 „	.792	.897	82.0	78.0	4.0	76.5	.84	82.1	83.7	SSW	0.1					
11 „	.789	.894	82.0	78.0	4.0	76.5	.84	82.0	83.4	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
0	C	Clear.	
0	K	A few clouds in E hor.	
0	K	"	
0	K	"	
0	K	Clear.	
0	B	"	
0	B	A few ⌐i in SE hor.	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 81°7.
0	K	"	
0	K	Clear; dew falling.	
0	K	" "	
0	K	" "	
0	B	" "	
0	B	" "	
0	B	A few pieces of clouds along W hor.	
0	B	Pieces of clouds scattered here and there, moving N.	
0	C	" " "	
0	C	A few pieces of clouds above N hor.	
0	C	A few pieces of clouds above N and E hor.	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 81°8.
0	K	"	
0	K	"	
0	K	A few pieces of ∿i in E hor.	
0	K	Pieces of ∿i scattered about.	
1	B	Patches of ∿i scattered about, moving NE.	
2	B	" "	
2	B	Light ∿i scattered about, moving NNE.	
3	B	" "	
4	C	" "	
3	C	∿i scattered about, moving NE.	
2	C	" "	
1	C	Patches of ∿i in W hem., moving NE.	
2	K	Patches of ∿i scattered about hor., moving NE.	
1	K	" "	
1	K	" "	
1	K	" "	
1	C	Patches of ∿i scattered along W hor., moving NE.	
0	C	Patches of ∿i scattered about hor., moving NE.	
0	B	Clear.	
0	B	"	
0	B	"	
2	B	∿i scattered about, moving NNE.	
4	C	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 14th-Midnight	29.781	28.898	81°6	77°6	4°0	76°0	0.84	81°9	83°3	SSW	0.3		+	1		Above 10m.
1 a. m.	.762	.900	81.4	77.0	4.4	75.3	.82	81.5	83.3	SW b W	0·3		+	1		Above 10m.
2 „	.750	.892	81.0	76.8	4.2	75.1	.83	81.0	83.2	„	0.2					
3 „	.736	.920	80.6	75.6	5.0	73.6	.80	80.8	83.0	WSW	0.2					
4 „	.751	.896	80.6	76.6	4.0	75.0	.84	80.8	82.8	SW b W	0·2					
5 „	.765	.912	80.8	76.6	4.2	75.0	.83	81.0	82.8	W	0·0					
6 „	.785	.927	81.0	76.8	4.2	75.1	.83	81.2	82.8	W b N	0.1					
7 „	.818	.976	83.2	77.0	6.2	74.6	.76	82.8	82.8	W b S	0·1					
8 „	.831	.989	85.0	77.5	7.5	74.6	.72	84.0	83.0	W	0.1					
9 „	.855	29.045	86.8	77.2	9.6	73.3	.66	85.0	83.2	SW	0.1					
10 „	.852	.020	88.5	78.2	10.3	74.2	.64	86.4	83.5	SW b S	0·2					
11 „	.843	28.996	89.4	78.8	10.6	74.7	.63	87.0	83.8	SW	0·1	None.			None.	
Noon.	.824	.949	90.0	79.6	10.4	75.8	.64	87.4	84.0	„	0.1					
1 p. m.	.798	.945	90.8	79.3	11.5	75.0	.61	88.0	84.4	WSW	0·1				None.	
2 „	.776	.902	91.6	80.0	11.6	75.7	.61	89.0	84.6	„	0·2					
3 „	.759	.865	91.0	80.3	10.7	76.4	.63	89.0	84.8	„	0.2					
4 „	.753	.895	90.8	79.4	11.4	75.1	.61	88.6	85.0	„	0·2					
5 „	.753	.909	88.6	78.5	10.7	74.6	.65	87.0	85.0	„	0.1					
6 „	.769	.918	86.0	78.0	8.0	74.9	.70	85.1	84.9	„	0.1					
7 „	.780	.929	84.2	77.5	6.7	74.9	.74	84.0	84.5	W b N	0.1					
8 „	.806	.947	83.5	77.5	6.0	75.2	.77	83.5	84.3	W	0.2		●			
9 „	.835	.951	83.0	78.0	5.0	76.1	.80	83.0	84.2	WNW	0.1					
10 „	.847	.977	82.5	77.5	5.0	75.5	.80	82.5	84.0	„	0.1					
11 „	.831	.972	81.6	77.0	4.6	75.2	.82	82.0	83.7	W b N	0.0					
Apr. 15th-Midnight	.801	.960	80.5	76.2	4.3	74.5	.83	81.0	83.5	W b S	0.0					
1 a. m.	.788	.946	79.6	76.0	3.6	74.5	.85	80.0	83.3	„	0.0					
2 „	.775	.922	79.4	76.2	3.2	75.0	.87	79.8	83.0	„	0.0					
3 „	.766	.928	78.6	75.6	3.0	74.4	.88	79.0	82.8	„	0.0					
4 „	.772	.945	78.2	75.2	3.0	74.0	.87	78.4	82.7	„	0.0					
5 „	.784	.961	77.8	75.0	2.8	73.8	.88	77.9	82.3	„	0.0					
6 „	.802	.929	78 6	76.5	2.1	75.7	.91	79.2	82.1	„	0.0					
7 „	.824	.943	81.5	77.5	4.0	76.0	.84	81.5	82.3	NE b N	0.0					
8 „	.843	.970	84.0	78.0	6.0	75.7	.77	83.2	82.6	NE	0.1					
9 „	.851	.989	85.4	78.1	7.3	75.3	.69	84.2	82.9	NE b E	0.1					
10 „	.855	29.041	86.5	77.2	9.3	73.5	.67	84.6	83.2	NE	0.0					
11 „	.847	.058	88.0	77.0	11.0	72.6	.61	85.7	83.4	WNW	0·1	None.	None.	None.	None.	None.
Noon.	.839	.033	89.3	77.8	11.5	73.2	.60	86.5	83.6	SW	0.1					
1 p. m.	.811	.028	90.0	77.4	12.6	72.3	.57	87.2	83.8	WSW	0.1					
2 „	.785	28.989	91.0	78.0	13.0	72.8	.57	88.5	84.2	WNW	0.2					
3 „	.771	.987	90.6	77.6	13.0	72.3	.57	88.4	84.3	„	0.4					
4 „	.763	.943	88.6	78.2	11.4	73.7	.61	87.5	84.5	„	0.4					
5 „	.758	.936	86.9	77.5	9.4	73.8	.66	85.9	84.3	„	0.2					
6 „	.776	.949	84.5	77.0	7.5	74.0	.72	84.0	84.1	„	0.5					
7 „	.789	.945	83.0	77.0	6.0	74.6	.77	83.0	84.0	„	0.5					
8 „	.811	.950	82.5	77.3	5.2	75.2	.80	82.5	83.7	NW b W	0.4					
9 „	.829	.978	82.4	77.0	5.4	74.9	.79	82.2	83.6	„	0.4					
10 „	.839	.984	82.0	77.0	5.0	75.0	.80	82.0	83.4	NW	0.4					
11 „	.830	.971	81.6	77.0	4.6	75.2	.82	81.6	83.3	„	0·3					
Apr. 16th-Midnight	.820	.954	81.0	77.0	4.0	75.4	.84	81.1	83.3	NW b N	0·1					
1 a. m.	.812	957	80.6	76.6	4.0	75.0	.84	80.8	83.2	„	0.2					
2 „	.806	.954	80.5	76.5	4.0	74.9	.84	80.5	83.0	NNW	0.1					
3 „	.803	.959	80.2	76.2	4.0	74.6	.84	80.2	82.8	„	0.3					
4 „	.814	.978	80.2	76.0	4.2	74.3	.83	80.2	82.7	„	0·3					
5 „	.829	.997	78.8	75.5	3.3	74.2	.86	79.0	82.5	N b E	0.2	None.	None.	None.	None.	None.
6 „	.862	29.013	79.0	76.0	3.0	74.8	.88	79.2	82.3	NNE	0.1					
7 „	.884	.046	81.4	76.4	5.0	74.4	.80	81.1	82.3	NE	0.1					
8 „	.912	.079	84.0	77.0	7.0	74.3	.73	83.5	82.6	NE b N	0·1					
9 „	.929	.076	86.2	78.1	8.1	75.0	.70	85.0	83.0	NE b E	0.1					
10 „	.928	.086	87.2	78.1	9.1	74.6	.67	85.6	83.2	ENE	0.0					
11 „	.921	.103	89.0	78.0	11.0	73.6	.72	87.0	83.5	WNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
6	C	≀≀ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 81°9.
6	K	" "	
7	K	" "	
3	K	≀≀ scattered about hor., moving NE.	
5	K	≀≀ scattered about, moving NE.	
3	B		
5	B	" "	
		" "	
1	B	≀≀ scattered about hor.	
0	B	Pieces of ≀≀ scattered from N to SE hor.	
1	C	≀≀ scattered around hor., moving ENE.	
1	C	≀≀ scattered along E hor. and in NW, moving ENE.	
1	C	≀≀ scattered from W to E hor., moving ENE.	
0	C	A few pieces of ≀≀ in W and NE above hor., moving ENE.	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	C	"	
0	C	"	
0	B	"	
0	B	A few pieces of ≀≀, moving E.	
5	B	≀≀ scattered about, moving E.	
4	B	" "	
4	C	" "	
1	C	Patches of ≀≀ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 81°9.
3	K	≀≀ scattered about, moving E; dew falling.	
1	K	Pieces of ≀≀ scattered about, moving E; dew falling.	
1	K	" " "	
1	K	" " "	
1	B	Pieces of ≀≀ scattered about hor.; dew falling.	
4	B	≀≀ scattered about, moving SE.	
3	B	≀≀ scattered about hor., moving SW.	
3	B	≀≀ scattered around and about, moving WSW.	
1	C	Light ≀≀ scattered around hor. and in SE, moving WSW.	
2	C	A few ≀≀ around hor. and in SE, moving SE.	
1	C	≀≀ scattered along W hor.	
1	K	"	
1	K	"	
1	K	"	
1	K	Patches of ≀≀ in W, NE, and E above hor.	
1	K	Pieces of ≀≀, moving NE.	
1	B	≀≀ scattered along W hor., moving NNE.	
0	B	A few pieces of ≀≀ above W and NW hor.	
0	B	A few pieces of ≀≀ above W hor.	
0	B	Clear.	
0	B	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 81°9.
4	K	≀≀ scattered about, moving SE.	
6	K	" "	
6	K	" "	
5	K	" "	
4	B	≀≀ and ≀≀ scattered about, former moving SSE, latter NE.	
4	B	Pieces of ≀≀ and ≀≀ scattered about, former moving S, latter N.	
3	B	≀≀ and ≀≀ scattered about hor.	
2	B	≀≀ around hor., moving N; pieces of ≀≀ observed, moving S.	
4	C	≀≀ and ≀≀ scattered about, former moving SSE, latter N.	
3	C	≀≀ scattered about hor., moving NNE.	
3	C	≀≀ scattered about, moving NNE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 16th-Noon.	29.897	29.098	89°2	77°6	11°6	73°0	0.60	87°6	83°7	NW	0.4					
1 p. m.	.880	.066	89.4	78.0	11.4	73.5	.61	87.2	83·9	,,	0.3					
2 ,,	.865	.009	89.4	79.0	10.4	75.1	.64	87.6	84.2	,,	1.0					
3 ,,	.845	.038	88.2	77.5	10.7	73.2	.63	86.5	84.3	,,	1.5					
4 ,,	.833	.002	87.8	78.0	9.8	74.1	.65	86.4	84.4	,,	1.0					
5 ,,	.833	.016	86.2	77.2	9.0	73.6	.67	85.2	84.4	,,	0.3	None.	None.	None.	None.	None.
6 ,,	.843	.032	84.2	76.5	7.7	73.4	.72	83.5	84.0	,,	0.2					
7 ,,	.851	.036	82.8	76.2	6.6	73.5	.75	82.6	83.7	,,	0.4					
8 ,,	.863	.039	82.3	76.3	6.0	73.9	.77	82.1	83.6	,,	0.2					
9 ,,	.869	.050	82.1	76.1	6.0	73.7	.77	82.0	83.4	,,	0.2					
10 ,,	.877	.042	81.7	76.4	5.3	74.3	.79	81.6	83.3	WNW	0.1					
11 ,,	.869	.036	81.5	76.3	5.2	74.2	.80	81.5	83.2	NW b W	0.3					
Apr. 18th-Midnight	.805	28.917	80.5	77.4	3.1	76.3	.87	80.5	82.4	NNW	0.4					
1 a. m.	.782	.905	80.0	77.0	3.0	75.8	.88	80.0	82.4	,,	0.0					
2 ,,	.779	29.065	79.6	72.6	7.0	69.4	.72	79.3	82.2	N	0.3					
3 ,,	.773	.090	78.4	71.4	7.0	68.1	.72	78.4	82.0	,,	0.0					
4 ,,	.777	.063	78.2	72.2	6.0	69.4	.76	78.2	81.8	NNE	0.0					
5 ,,	.779	.049	77.8	72.5	5.3	70.1	.78	78.0	81.5	NE b N	0.0					
6 ,,	.789	.040	77.7	73.0	4.7	70.9	.81	78.0	81.4	NE	0.0					
7 ,,	.802	.052	81.0	74.0	7.0	71.0	.73	81.0	81.4	,,	0.1					
8 ,,	.811	.064	83.0	74.5	8.5	70.8	.68	82.3	81.6	ENE	0.1					
9 ,,	.820	.058	84.8	75.4	9.4	71.4	.66	83.6	82.0	E b N	0.1					
10 ,,	.807	.037	86.2	76.0	10.2	71.8	.63	84.5	82.3	NNW	0.1	None.	None.	None.	None.	None.
11 ,,	.789	.020	87.7	76.4	11.3	71.7	.60	85.6	82.7	,,	0.2					
Noon.	.766	28.994	88.5	76.7	11.8	71.8	.59	86.1	83.0	,,	0.3					
1 p. m.	.743	29.004	89.0	76.0	13.0	70.5	.56	86.8	83 2	NW	0.5					
2 ,,	.716	28.966	89.4	76.4	13.0	71.0	.56	87.5	83.5	NW b N	0.8					
3 ,,	.693	.915	89.0	77.0	12.0	72.1	.59	87.5	83.7	NNW	1.2					
4 ,,	.690	.940	88.0	76.0	12.0	71.0	.58	86.8	83.9	,,	1.5					
5 ,,	.686	.960	86.6	75.0	11.6	69.9	.59	85.7	83.8	,,	1.0					
6 ,,	.696	.990	85.0	74.0	11.0	69.1	.60	84.2	83.7	,,	0.8					
7 ,,	.711	29.010	83.4	73.4	10.0	68.9	.63	83.2	83.4	,,	0.5					
8 ,,	.732	.071	83.0	72.2	10.8	67.1	.60	82.9	83.2	NW b N	0.3					
9 ,,	.747	.029	82.6	73.6	9.0	69.6	.66	82.5	83.1	NNW	0.2					
10 ,,	.754	28.947	82.8	76.0	6.8	73.2	.74	82.5	83.1	WN b W	0.3					
11 ,,	.755	.937	81.8	76.0	5.8	73.6	.77	81.6	83.0	,,	0.4					
Apr. 19th-Midnight	.736	.920	81.0	75.7	5.3	73.6	.79	81.1	82.8	NW	0.3					
1 a. m.	.733	.956	80.6	74.6	6.0	72.0	.76	80.4	82.7	,,	0.2					
2 ,,	.736	.927	80.0	75.0	5.0	73.0	.80	80.0	82.5	,,	0.2					
3 ,,	.715	.932	79.4	74.4	5.0	72.3	.80	79.6	82.5	NW b N	0.2					
4 ,,	.716	.940	78.6	74.0	4.6	72.0	.81	78.6	82.3	N b W	0.1					
5 ,,	.728	.945	78.0	74.0	4.0	72.3	.83	78.0	81.9	N	0.1					
6 ,,	.745	.994	78.2	73.2	5.0	71.0	.79	78.4	81.6	N b E	0.0					
7 ,,	.775	29.011	81.8	74.6	7.2	71.5	.72	81.3	81.7	ENE	0.1		+	1		Above 10m.
8 ,,	.793	.075	84.0	74.0	10.0	69.6	.63	83·0	82.1	E b N	0.1		+	1		Above 10m.
9 ,,	.799	.065	85.9	75.0	10.9	70.3	.61	84.5	82.5	,,	0.1		+	1		Above 10m.
10 ,,	.785	.091	87.9	74.5	13.4	68.6	.54	85.5	82.7	NNW	0.1	None.			None.	
11 ,,	.775	.052	88.3	75.4	12.9	69.8	.55	86.6	83.0	,,	0.2					
Noon.	.764	.009	89.7	76.6	13.1	71.2	.56	87.2	83.2	NW	0·3					
1 p. m.	.729	28.941	90.2	77.6	12.6	72.5	.58	87.7	83.6	,,	0.3					
2 ,,	.716	.890	90.6	78.6	12.0	74.0	.59	88.4	84.0	NW b W	0.3					
3 ,,	.708	.863	89.6	78.8	10.8	74.7	.63	88.0	84.2	,,	0.3					
4 ,,	.709	.878	88.6	78.2	10.4	74.1	.64	87·0	84.3	,,	0.3					
5 ,,	.718	.911	86.4	77.0	9.4	73.2	.66	85·4	84.1	,,	0.2					
6 ,,	.736	.933	83.6	76.0	7.6	72.9	.71	83.3	84.0	,,	0.2					
7 ,,	.752	.938	82.2	76.0	6.2	73.5	.76	82.2	83.5	W b N	0.3					
8 ,,	.766	.948	81.8	76.0	5.8	73.6	.78	81.8	83.4	,,	0·2					
9 ,,	.779	.944	81.3	76.3	5.0	74.3	.80	81.5	83.2	,,	0.1					
10 ,,	.783	.938	80.8	76.4	4.4	74.7	.82	81.1	83.2	,,	0.0					
11 ,,	.780	.935	79.4	76.0	3.4	74.7	.86	80.1	82.8	,,	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cu cumuli; Csi cirro-strati; Cs cumulo-strati; and Cn nimbi.	
3	C	Ci scattered about, moving NNE.	
3	K	Patches of Ci scattered about, moving N.	
2	K	" "	
2	K	Pieces of Ci scattered around hor.	
1	K	"	
1	K	A few Ci along W hor., otherwise clear.	
0	B	"	
0	B	A few pieces of clouds above NW hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°0.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	A few pieces of Ci from E to S hor.	
0	K	A few Ci in E, SE, and S above hor.	
0	C	"	
0	C	"	
0	B	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°0.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	Clear; dew falling.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 20th-Midnight	29.773	28.959	78°6	75°0	3°6	73°5	0.85	79°5	82°5	N b W	0·0					
1 a. m.	.769	.942	79.6	75.6	4.0	74.0	.84	80.0	82.5	NW b N	0·0					
2 „	.754	.937	79.8	75.4	4.4	73.6	.82	80.0	82.4	„	0.2					
3 „	.755	.934	79.4	75.4	4.0	73.8	.84	79.4	82.3	NNW	0.2		+	3		Above 10m.
4 „	.764	.948	79.2	75.2	4.0	73.6	.84	79.2	82.2	N	0.2		+ +	8		2·10
5 „	.765	.945	78.1	75.0	3.1	73.7	.87	78.3	82.0	N b E	0.0		+ +	2		2.25
6 „	.774	.984	77.4	74.0	3.4	72.6	.86	77.9	81.7	„	0.0		+	2		1.57
7 „	.796	29.003	81.3	75.2	6.1	72.7	.76	80.8	81.7	„	0.1					
8 „	.823	.010	83.4	76.4	7.0	73.5	.73	82.8	82.0	NE b E	0·1					
9 „	.833	.007	85.4	77.2	8.2	73.7	.70	84.1	82.2	ENE	0.1					
10 „	.833	.025	86.6	77.1	9.5	73.2	.66	85.2	82.7	E	0.1					
11 „	.818	.027	88.2	77.1	11.1	72.6	.61	87.0	83.0	WNW	0.1	None.			None.	
Noon.	.799	28.985	89.4	78.0	11.4	73.5	.61	87.3	83.2	NW	0.3					
1 p. m.	.780	.973	90.0	78.0	12.0	73.2	.59	87.8	83.6	WNW	0·3					
2 „	.751	.906	89.6	78.8	10.8	74.7	.63	87.6	83.8	„	0.3					
3 „	.733	.894	89.0	78.5	10.5	74.4	.63	87.2	84.0	NW	0·4					
4 „	.725	.920	88.0	77.4	10.6	73.2	.63	86.2	84.1	„	0·6					
5 „	.721	.914	86.4	77.0	9.4	73.2	.66	84.6	84.0	„	0·4					
6 „	.736	.880	83.4	77.4	6.0	75.1	.77	83.0	83.8	„	0.3					
7 „	.747	.928	82.1	76.1	6.0	73.7	.77	82.0	83.4	„	0.3					
8 „	.766	.937	81.6	76.2	5.4	74.1	.79	81.6	83.2	„	0.2					
9 „	.781	.954	81.0	76.0	5.0	74.0	.80	81.1	83.2	„	0.0					
10 „	.792	.993	80.4	75.1	5.3	73.0	.79	80.9	82.8	„	0.1					
11 „	.785	.969	80.6	75.6	5.0	73.6	.80	80.9	82.8	„	0.3					
Apr. 21st-Midnight	.782	.966	80.6	75.6	5.0	73.6	.80	80.8	82.7	NW	0.6					
1 a. m.	.776	.942	80.4	76.0	4.4	74.3	.82	80.5	82.7	„	0.4					
2 „	.765	.912	80.0	76.4	3.6	75.0	.85	80.0	82.5	„	0.4					
3 „	.754	.888	79.6	76.6	3.0	75.4	.88	80.0	82.2	„	0.4					
4 „	.769	.924	79.4	76.0	3.4	74.7	.86	79.9	82.2	„	0.2					
5 „	.779	.950	79.0	75.5	3.5	74.1	.86	79.4	82.0	„	0.2					
6 „	.795	.954	78.7	75.7	3.0	74.5	.88	79.2	81.9	„	0.0					
7 „	.815	.985	82.5	76.5	6.0	74.1	.77	81.2	81.9	N b W	0.0		+ +	8	6	1·25
8 „	.834	29.001	84.0	77.0	7.0	74.2	.73	83.0	82.4	„	0.0		+ +	4		1.15
9 „	.835	28.961	85.4	78.4	7.0	75.7	.74	84.0	82.5	NW	0.1		+ +	1		
10 „	.829	.956	86.0	78.5	7.5	75.7	.72	84.7	82.7	NW b W	0.1	None.				
11 „	.822	.959	86.4	78.4	8.0	75.3	.70	85.0	82.9	NW	0.4					
Noon.	.801	.928	87.8	79.0	8.8	75.7	.68	86.1	83.2	WNW	0.5					
1 p. m.	.771	.864	87.8	79.8	8.0	76.9	.71	86.2	83.4	NW	0.5					
2 „	.742	.808	88.0	80.5	7.5	77.8	.73	86.5	83.6	NW b W	0·8					
3 „	.724	.818	87.5	79.7	7.8	76.8	.71	86.0	83.6	WNW	1.0					
4 „	.714	.840	86.8	78.6	8.2	75.7	.70	85.4	83.7	„	1.3					
5 „	.709	.853	84.8	77.8	7.0	75.1	.74	84.0	83.8	NW	0.8					
6 „	.724	.897	83.8	76.8	7.0	74.0	.74	82.9	83.5	„	0.5					
7 „	.728	.897	82.0	76.4	5.6	74.1	.78	81.8	83.4	„	0.4					
8 „	.764	.915	81.8	76.8	5.0	74.8	.80	81.8	83.3	NW b W	0.3					
9 „	.771	.912	81.6	77.0	4.6	75.2	.82	81·8	83.1	„	0.1					
10 „	.776	.913	81.3	77.0	4.3	75.3	.83	81.3	83.0	„	0·1					
11 „	.776	.882	81.0	77.7	3.3	76.4	.87	81.0	82.8	NW	0.2					
Apr. 22nd-Midnight	.777	.883	80.6	77.6	3.0	76.4	.88	80.9	82.5	WNW	0.1					
1 a. m.	.772	.901	79.8	76.8	3.0	75.6	.88	80.0	82.5	„	0.0					
2 „	.764	.902	79.2	76.4	2.8	75.3	.88	79.8	82.5	„	0.0					
3 „	.764	.911	79.4	76.2	3.2	75.0	.87	79.8	82.4	„	0.0					
4 „	.769	.920	79.0	76.0	3.0	74.8	.88	79.6	82.3	WSW	0·0	None.	None.	None.	None.	None.
5 „	.762	.919	78.6	76.0	2.6	75.3	.89	79.0	82.0	„	0.0					
6 „	.778	.949	78.3	75.3	3.0	74.1	.87	79.0	81.8	„	0.0					
7 „	.803	.951	82.3	77.0	5.3	74.9	.79	81.4	81.7	W b S	0·0					None.
8 „	.810	.971	84.2	77.2	7.0	74.4	.73	83.3	82.1	NW	0.1					
9 „	.823	.976	85.2	77.7	7.5	74.7	.72	84.0	82.5	„	0.1					
10 „	.818	.952	86.6	78.5	8.1	75.4	.70	85.0	82.8	NNW	0.5					
11 „	.806	.928	87.4	79.0	8.4	75.9	.69	86.0	83.1	„	0·4					

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°0.
0	K	A few pieces of ≀∩, moving SE.	
5	K	≀∩ scattered about, moving SE.	
4	K	" "	
6	K	" "	
1	B	≀∩ scattered around hor.	
0	B	Patches of ≀∩ above SE and S hor.	
0	B	" "	
0	B	Pieces of ≀∩ scattered along E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	A few ≀ above E hor.	
0	K	"	
1	C	≀ scattered here and there.	
1	K	≀ scattered around hor.	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	"	
0	C	Pieces of ≀∩ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°0.
5	K	≀∩ scattered about, moving NW.	
3	K	" "	
6	B	≀∩ and light ≀⌣ scattered about, latter moving SSE, former NW.	
5	B	" " "	
3	C	Dense light ≀∩ scattered about, moving SSE.	
4	C	" "	
3	K	≀∩ scattered about, moving N; mist around hor.	
0	K	A few pieces of ≀∩, moving N; mist around hor.	
0	B	A few pieces of ≀∩ above SE and W hor.; moving SE.	
0	B	Cloudless.	
0	C	"	
0	C	∩ along E hor.; otherwise clear.	
0	K	" "	
0	K	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	K	∩ along E hor.; continuous lightning in E hor. after 7h. 40m.	
0	K	A few clouds along E hor.; continuous lightning in E hor.	
0	B	Pieces of ≀∩ seen here and there; continuous lightning in SE.	
0	B	" "	
1	C	≀∩ in E and W hor.; light ≀ above SSE hor.	
3	C	≀∩ scattered about, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°1.
6	K	≀∩ scattered throughout, moving NW, dew falling.	
6	K	" " "	
6	K	≀∩ scattered throughout, moving W.	
6	K	" "	
2	B	≀∩ scattered about hor.	
2	B	≀ from NE to S hor.; pieces of ≀∩ seen here and there.	
1	B	" "	
5	B	A few pieces of ≀∩ above E hor.; light ≀ scattered throughout.	
4	C	≀ and ≀∩ scattered about.	
1	C	Pieces of ≀∩ around hor.; light ≀ scattered about.	
0	C	A few ≀ above E hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.				°					lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 22nd–Noon.	29.778	28.907	88°0	79°0	9°0	75°6	0.68	86°5	83°3	NW	0.6					
1 p. m.	.752	.881	88.0	79.0	9.0	75.6	.68	86.4	83.5	,,	1.3					
2 ,,	.729	.852	88.2	79.2	9.0	75.8	.68	86.5	83.6	,,	1.2					
3 ,,	.715	.808	87.8	79.8	8.0	76.9	.71	86.5	83.8	,,	1.3					
4 ,,	.697	.775	87.2	80.0	7.2	77.4	.74	86.0	84.0	,,	1.5					
5 ,,	.693	.789	85.0	79.0	6.0	76.8	.77	84.2	83.7	,,	1.3	None.	None.	None.	None.	None.
6 ,,	.705	.822	83.1	78.0	5.1	76.0	.80	82.9	83.6	,,	1.5					
7 ,,	.736	.869	82.4	77.4	5.0	75.5	.80	82.4	83.5	,,	1.0					
8 ,,	.760	.905	82.0	77.0	5.0	75.0	.80	82.0	83.3	NW b N	0.6					
9 ,,	.785	.915	81.4	77.2	4.2	75.6	.83	81.2	83.2	NW	0.4					
10 ,,	.790	.924	81.0	77.0	4.0	75.4	.84	81.0	83.1	,,	0.3					
11 ,,	.783	.923	80.8	76.8	4.0	75.2	.84	80.8	83.0	,,	0.4					
Apr. 25th-Midnight	.735	.857	81.8	77.5	4.3	75.9	.83	81.9	83.0	NNW	0.3					
1 a. m.	.713	.837	81.6	77.4	4.2	75.8	.83	81.7	83.0	,,	0.3					
2 ,,	.697	.829	81.6	77.2	4.4	75.5	.83	81.7	82.9	,,	0.4					
3 ,,	.692	.824	80.8	77.0	3.8	75.5	.85	80.8	82.8	N b E	0.2					
4 ,,	.700	.841	80.2	76.6	3.6	75.2	.85	80.2	82.7	N	0.2					
5 ,,	.713	.861	80.1	76.4	3.7	74.9	.85	80.2	82.6	N b W	0.0					
6 ,,	.725	.833	80.5	77.5	3.0	76.4	.88	80.7	82.5	WNW	0.0					
7 ,,	.747	.852	82.0	78.0	4.0	76.5	.84	82.0	82.5	N	0.0					
8 ,,	.770	.875	85.8	79.0	6.8	76.5	.75	85.0	82.8	N b W	0.1					
9 ,,	.773	.845	88.2	80.4	7.8	77.6	.72	86.8	83.2	NNW	0.2					
10 ,,	.771	.869	89.0	80.0	9.0	76.7	.68	87.4	83.6	,,	0.5					
11 ,,	.757	.850	90.6	80.5	10.1	76.9	.65	87.8	84.0	,,	0.7	None.	None.	None.	None.	None.
Noon.	.737	.841	91.2	80.4	10.8	76.5	.63	89.0	84.4	,,	1.2					
1 p. m.	.707	.790	91.6	81.0	10.6	77.2	.64	89.7	84.7	,,	0.8					
2 ,,	.679	.766	92.0	81.0	11.0	77.1	.63	90.2	85.0	,,	1.0					
3 ,,	.650	.760	91.8	80.4	11.4	76.3	.62	90.2	85.2	NW	1.4					
4 ,,	.627	.753	91.6	80.0	11.6	75.7	.61	90.0	85.4	,,	1.8					
5 ,,	.629	.780	90.0	79.0	11.0	74.8	.62	88.7	85.5	,,	2.0					
6 ,,	.638	.767	88.0	79.0	9.0	75.6	.68	87.1	85.4	,,	1.4					
7 ,,	.652	.732	85.0	79.4	5.6	77.3	.79	84.6	85.0	,,	1.7					
8 ,,	.678	.821	83.7	77.5	6.2	75.1	.76	83.7	84.8	NNW	1.0					
9 ,,	.701	.874	83.8	76.8	7.0	74.0	.73	83.8	84.6	,,	0.8					
10 ,,	.703	.842	83.6	77.6	6.0	75.2	.77	83.5	84.3	,,	1.0					
11 ,,	.703	.823	83.0	77.9	5.1	75.9	.80	83.0	84.0	,,	0.6					
Apr. 26th-Midnight	.890	.810	83.0	77.9	5.1	75.9	.80	83.0	84.0	NW b N	0.2					
1 a. m.	.680	.847	82.6	76.6	6.0	74.2	.77	82.6	83.8	,,	0.3					
2 ,,	.660	.827	82.2	76.5	5.7	74.2	.78	82.4	83.8	NW	0.2					
3 ,,	.650	.795	82.0	77.0	5.0	75.0	.80	82.0	83.6	NNW	0.2					
4 ,,	.658	.816	81.0	76.4	4.6	74.6	.82	81.0	83.4	N	0.2					
5 ,,	.673	.813	80.8	76.8	4.0	75.2	.84	81.0	83.3	,,	0.0					
6 ,,	.691	.825	81.0	77.0	4.0	75.4	.84	81.3	83.2	NNW	0.0					
7 ,,	.724	.826	85.6	79.0	6.6	76.6	.75	84.0	83.3	,,	0.1					
8 ,,	.745	.865	87.2	79.0	8.2	75.9	.70	86.3	83.8	,,	0.1					
9 ,,	.750	.862	89.4	79.8	9.6	76.2	.66	87.4	84.0	NW	0.2					
10 ,,	.745	.839	89.8	80.3	9.5	76.8	.67	88.0	84.2	,,	0.3					
11 ,,	.727	.813	90.2	80.6	9.6	77.1	.66	88.6	84.7	,,	0.5	None.	None.	None.	None.	None.
Noon.	.706	.782	91.0	81.0	10.0	77.5	.66	89.1	85.0	,,	1.5					
1 p. m.	.673	.814	91.0	79.5	11.5	75.2	.61	89.0	85.2	NNW	2.0					
2 ,,	.643	.826	91.0	78.5	12.5	73.7	.58	89.5	85.4	,,	2.5					
3 ,,	.615	.779	91.2	79.0	12.2	74.3	.59	90.0	85.5	,,	2.0					
4 ,,	.605	.809	91.0	78.0	13.0	72.8	.57	89.4	85.6	,,	2.0					
5 ,,	.606	.770	88.6	77.8	10.8	74.3	.63	87.8	85.6	,,	1.4					
6 ,,	.628	.784	86.6	78.0	8.6	74.6	.72	86.0	85.4	,,	1.5					
7 ,,	.640	.732	84.6	79.0	5.6	76.9	.79	84.5	85.1	,,	1.5					
8 ,,	.667	.828	84.2	77.2	7.0	74.4	.73	84.2	84.9	,,	0.8					
9 ,,	.704	.871	84.0	77.0	7.0	74.2	.73	84.0	84.8	NW b N	0.5					
10 ,,	.718	.826	83.8	78.4	5.4	76.4	.79	83.8	84.7	NW	0.6					
11 ,,	.711	.787	83.2	79.0	4.2	77.5	.83	83.2	84.5	NW b N	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ≀⌣≀ nimbi.	
0	C	≀≀ above S hor., moving NW; ≀ above E hor.	
1	C	≀ scattered around hor.	
1	K	Dense ≀ scattered around hor., moving N.	
2	K	≀ scattered about hor., moving N.	
4	K	≀ scattered about, moving N.	
4.	B	" "	
3	B	" "	
2	B	≀ scattered about hor.	
1	B	"	
0	K	Clear, except in hor.	
0	K	" "	
0	K	" "	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°5.
5	K	≀≀ scattered about, moving W.	
5	K	" "	
6	K	" "	
6	K	" "	
6	B	" "	
3	B	" "	
3	B	" "	
1	B	≀≀ scattered around hor.	
3	C	≀≀ scattered about, moving NW.	
3	C	" "	
3	C	" "	
2	C	≀≀ scattered about hor.; few pieces about zth.	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	C	A few ≀ above E hor.	
0	C	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	C	"	
0	C	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 82°5.
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	B	A few pieces of ≀≀ above SE hor.	
0	B	A few pieces of ≀≀ above SE and W hor.	
2	B	≀≀ scattered about, moving N.	
2	B	" "	
0	C	Pieces of ≀≀ above E hor.; light ≀ above SW hor.	
0	C	≀ scattered in E and W hor.	
0	C	A few ≀ above E hor.	
0	C	Clear.	
0	K	"	
2	K	Dense ≀ scattered about, moving SW.	
2	K	" "	
3	K	" "	
1	C	≀ scattered about hor.	
1	C	"	
0	B	A few ≀ here and there observed.	
0	B	Clear, except in hor.	
0	B	" "	
2	C	≀≀ scattered about, moving NW.	
3	C	≀≀ scattered about, moving WNW.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 27th-Midnight	29.695	28.767	82°8	79°0	3°8	77°6	0.85	83°0	84°2	NW b N	0.2					
1 a. m.	.673	.766	82·4	78.4	4.0	76.9	.84	82.8	84.2	NNW	0.2					
2 „	.632	.757	82·0	78.0	4.0	76.5	.84	82.2	84.1	„	0.0					
3 „	.649	.757	81.5	77.8	3.7	76.4	.85	81.5	84.0	„	0.0					
4 „	.655	.776	80.6	77.2	3.4	75.9	.86	81.0	83.7	„	0.0					
5 „	.670	.764	81.0	78.0	3.0	76.8	.88	81.4	83.5	N b W	0.0					
6 „	.690	.800	80.7	77.5	3.2	76.3	.87	81.2	83.4	„	0.0					
7 „	.712	.831	82.5	77.8	4.7	76.0	.81	82.5	83.4	N	0.0					
8 „	.730	.873	86.2	78.2	8.0	75.1	.70	85.6	83.7	N b W	0.1					
9 „	.734	.838	88.8	79.8	9.0	76.5	.68	87.0	84.1	NNW	0.2					
10 „	.722	.840	90.2	79.8	10.4	76.0	.64	88.0	84.3	„	0.6					
11 „	.707	.780	90.6	81.0	9.6	77.6	.67	88.6	84.8	„	0.7	None.	None.	None.	None.	None.
Noon.	.680	.756	91.0	81.0	10.0	77.5	.66	89.1	85.1	„	0.8					
1 p. m.	.653	.708	91.0	81.5	9.5	78.2	.67	89.4	85.3	NW b N	1.0					
2 „	.625	.694	91.2	81.2	10.0	77.7	.66	90.0	85.5	NW	1.0					
3 „	.599	.652	90.4	81.4	9.0	78.2	.68	89.2	85.6	„	1.2					
4 „	.588	.634	90.2	81.5	8.7	78.5	.69	88.6	85.6	„	0.7					
5 „	.599	.545	88.2	81.0	7.2	78.5	.74	87.1	85.7	„	0.5					
6 „	.634	.706	86.6	80.0	6.6	77.6	.76	86.1	85.5	SW	0.0					
7 „	.640	.718	85.3	79.5	5.8	77.4	.78	85.0	85.4	WNW	0.3					
8 „	.627	.673	84.3	80.0	4.3	78.5	.84	84.0	85.2	NW	2.0					
9 „	.651	.748	83.6	78.6	5.0	76.7	.81	83.6	84.9	„	1.5					
10 „	.686	.786	83.5	78.5	5.0	76.6	.81	83.5	84.8	N	0.1					
11 „	.683	.768	84.0	79.0	5.0	77.3	.81	84.0	84.7	NNW	0.3					
Apr. 28th-Midnight	.677	.741	84·0	79.5	4.5	77.9	.82	84.1	84.6	NNW	0.2					
1 a. m.	.669	.712	84.0	80.0	4.0	78.6	.84	84.0	84.6	„	0.2					
2 „	.666	.810	83.4	77.4	6.0	75.1	.77	83.4	84.4	NNE	0.1					
3 „	.662	.842	83.0	76.4	6.6	73.7	.75	83.0	84.4	„	0.1					
4 „	.676	.842	83.2	76.8	6.4	74.3	.75	83.0	84.3	„	0.2					
5 „	.696	.909	84.6	76.0	8.6	72.5	.68	84.8	84.3	E	1.3					
6 „	.718	.932	84.7	76.0	8.7	72.4	.68	84.8	84.4	„	0.8					
7 „	.728	.929	87.1	77.0	10.1	73.0	.64	86.2	84.6	„	0.2					
8 „	.735	.925	89.7	78.0	11.7	73.3	.60	88.5	84.7	E b N	0.1					
9 „	.749	.967	92.3	78.0	14.3	72.2	.53	90.3	85.0	ENE	0.1					
10 „	.746	.980	93.5	78.0	15.5	71.6	.51	90.6	85.5	SE	0·1					
11 „	.733	.997	95.7	77.8	17.9	70.4	.45	92.4	86.0	SE b S	0.0					
Noon.	.717	.949	97.4	79.0	18.4	71.7	.45	94.0	86.5	„	0.1					
1 p. m.	.687	.780	96.5	82.0	14.5	76.9	.55	94.0	86.6	NW	0.3					
2 „	.662	.650	93.6	83.6	10.0	80.3	.67	91.6	86.8	„	0.5					
3 „	.638	.616	92.2	83.5	8.7	80.6	.70	90.6	86.8	„	0.8					
4 „	.622	.672	91.0	81.6	9.4	78.3	.67	89.8	86.8	„	1.0					
5 „	.630	.684	88.9	81.0	7.9	78.2	.72	88.0	86.6	N	1.5					
6 „	.669	.739	87.2	80.2	7.0	77.7	.74	86.9	86.5	NNW	0.4					
7 „	.719	.924	80.4	75.0	5.4	72.8	.78	80.7	85.7	ESE	0.8	Less than one cent.	—	Out of Sc.	Out of Sc.	Instantly.
8 „	.698	.899	80.8	75.2	5.5	73.0	.79	81.6	85.2	NE b E	0.0		—	Out of Sc.	80	0·12
9 „	.758	.950	83.5	76.2	7.3	73.3	.72	83.5	85.2	E	0.1					
10 „	.748	.943	83.0	76.0	7.0	73.2	.73	83.0	85.1	NW	0·0					
11 „	.747	.942	83.0	76.0	7.0	73.2	.73	83.2	84.9	„	0.0					
Apr. 29th-Midnight	.734	.916	83.2	76.4	6.8	73.6	.74	83.4	84.7	NW	0.0					
1 a. m.	.728	.917	83.2	76.2	7.0	73.4	.73	83.0	84.7	„	0.0					
2 „	.710	.903	82.8	76.0	6.8	73.2	.74	82.8	84.5	„	0.2					
3 „	.697	.881	82.0	76.0	6.0	73.6	.77	82.0	84.3	„	0.2					
4 „	.694	.943	83.0	74.6	8.4	71.0	.68	82.8	84.2	N	0.6					
5 „	.694	.954	82.6	74.2	8.4	70.5	.63	82.4	84.1	E	0.2	None.	None.	None.	None.	None.
6 „	.706	.948	82.0	74.5	7.5	71.3	.71	82.3	83.9	ESE	0.1					
7 „	.732	.963	83.5	75.2	8.3	71.7	.69	83.5	83.9	„	0.1					
8 „	.751	29.003	84.3	74.9	9.4	70.9	.65	84.3	83.9	SE b E	0.1					
9 „	.778	.032	84.8	75.0	9.8	70.8	.64	84.8	84.0	„	0.0					
10 „	.781	.047	88.4	75.7	12.7	70.3	.56	87.0	84.5	„	0.0					
11 „	.769	.019	89.4	76.4	13.0	71.0	.56	88.0	84.7	W b N	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ⌒ cirro-strati; ⌒≥ cumulo-strati; and ≥ nimbi.	
3	C	≤≥ scattered around hor. and in E, moving WNW.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 82°6. Reading of barometer corrected for temperature at 4 P. M. was smallest in the month, and 0.147in. smaller than the normal mean for that hour.
2	K	≤≥ scattered about, moving W.	
2	K	" "	
2	K	" "	
4	K	" "	
6	B	" "	
4	B	≤≥ in E hem.; dense ≤ scattered about, moving ENE.	
5	B	≤≥ scattered about, moving NW.	
2	B	≤≥ scattered about hor., moving W.	
0	C	A few pieces of ≤≥ in E and W hor.	
0	C	A few light ≤ in E hor.	
0	C	≤≥ along E hor.; light ≤ scattered in SW, moving W.	
2	C	≥ and ≤≥ around hor.; ≤ above S hor.	
2	K	" "	
1	K	≥ and ≤≥ in W hor.; ≤ above E hor.	
0	K	A few ≥ in E hor.	
0	K	≥ along E hor., otherwise cloudless.	
3	C	≥ and ≤≥ scattered from NNE to SW, latter moving W.	
7	C	≥ along E hor.; ≤≥ and ≤≥ scattered throughout, both moving W.	
5	B	≤≥ and ≤≥ scattered about, moving W	
3	B	≤≥ and ≤≥ scattered about; lightning in SE every 15s.	
3	B	" "	
2	B	≤≥ scattered about hor.; lightning in SE hor. at intervals of 1m. 3s.	
5	C	≤≥ scattered about, moving N; lightning in SE at intervals of 3m.	
5	C	≤≥ scattered about; lightning in SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 82°8. Maximum tension of electricity by Henly's apparatus 18.0; maximum length of spark by Ronald's measure 0.16in.; the reading of air thermometer at noon was 97°4, greatest in the month, and about 7°4 greater than the normal mean; at 2 P. M. the temperature of evaporation was 83°6 greatest in the month, and about 3°5 greater than the normal mean.
3	K	≤≥ scattered about, moving SW; lightning in SE every 21s.	
2	K	≤≥ scattered around hor.; moving W; lightning in SE at intervals of 1m. 21s.	
2	K	≤≥ scattered around hor.; lightning in SE at intervals of 2m. 41s.	
2	K	≤≥ scattered about, moving SW; lightning in SE at intervals of 2m. 15s.	
4	B	≤≥ scattered about, moving SW.	
4	B	" "	
2	B	" "	
2	B	" "	
2	C	≤≥ along E hor.; ≤ scattered above S hor.	
1	C	Patches of ≤≥ along E hor.	
1	C	"	
1	C	"	
1	K	"	
1	K	≥ along E hor., otherwise cloudless.	
1	K	" "	
1	K	" "	
2	C	≥ along E hor.; ≤≥ in S hem., moving W; continuous thunder in NE heard every 5m. [0h. 30m.	
5	C	≥ along E hor.; ≤≥ scattered throughout, moving W; continuous thunder in NE; lightning in E every 15s. rain at	
6	B	≤≥ and ≤≥ scattered throughout, both moving SW; thunder and lightning in E; rain ceased at 7h. 2m.	
3	B	Masses of ≤≥ scattered about, moving S; lightning in N hor. every 9s.	
3	B	Masses of ≤≥ scattered about, moving S; lightning in N hor. at intervals of 1m. 17s.	
3	B	≤≥ scattered about hor.	
6	C	≤≥ scattered about, moving S.	
8	C	Overcast with ≤≥; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 82°8.
6	K	≤≥ scattered throughout, moving W.	
4	K	≤≥ scattered about, moving W.	
8	K	Overcast with ≤≥, moving N.	
8	K	" "	
7	B	≤≥ scattered throughout, moving NW.	
8	B	Overcast with ≤≥ and ≤≥.	
7	B	Densely clouded with ≤≥ and ≤≥.	
7	B	"	
8	C	"	
7	C	≤≥ in NE; ≤≥ scattered throughout, moving NW	
7	C	Densely clouded with ≤≥ and ≤≥, both moving NW.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 29th-Noon.	29.749	28.942	90°0	78°0	12°0	73°2	0.59	88°0	84°9	W b N	0.0					
1 p. m.	.717	.911	92.0	78.5	13.5	73.2	.56	89.4	85.3	WNW	0.1					
2 „	.687	.858	93.4	79.4	14.0	74.1	.55	91.0	85.6	„	0·2					
3 „	.668	.825	92.5	79.5	13.0	74.6	.57	90.5	85.8	„	0.2					
4 „	.663	.786	93.6	80.6	13.0	75.9	.58	91.6	86.2	„	0.2					
5 „	.662	.794	90.6	79.6	11.0	75.5	.63	89.5	86.4	NW b W	0.3	None.	None.	None.	None.	None.
6 „	.679	.794	87.5	79.2	8.3	76.1	.70	86.9	86.2	NW	0.3					
7 „	.701	.720	85.7	81.0	4.7	79.4	.82	85.5	85.7	NW b N	0.2					
8 „	.720	.748	84.6	80.5	4.1	79.1	.84	84.5	85.6	„	0.2					
9 „	.743	.743	84.0	81.0	3.0	80.0	.88	84.0	85.4	„	0.2					
10 „	.759	.798	83.6	80.0	3.6	78.7	.86	84.0	85.3	„	0.0					
11 „	.760	.813	83.0	79.5	3.5	78.2	.86	83.5	85.1	W b N	0.0					
Apr. 30th-Midnight	.746	.775	82.7	80.0	2.7	79.0	.89	83.3	84.9	W	0.0					
1 a. m.	.735	.819	82.0	78.5	3.5	77.2	.86	82.5	84.8	W b S	0.0					
2 „	.726	.795	81.8	78.8	3.0	77.7	.88	82.4	84.7	WSW	0.0					
3 „	.727	.786	81.6	79.0	2.6	78.0	.89	82.3	84.5	„	0.0					
4 „	.733	.794	81.4	79.0	2.4	78.0	.90	82.0	84.4	SW	0.0					
5 „	.747	.799	81.0	79.0	2.0	78.3	.92	81.8	84.2	„	0.0					
6 „	.785	.841	81.4	79.0	2.4	78.1	.90	82.0	84.0	„	0.1					
7 „	.823	.916	82.4	78.4	4.0	76.9	.84	83.2	84.1	SSW	0.1					
8 „	.847	.901	85.0	80.0	5.0	78.2	.81	85.3	84.4	S	0.3					
9 „	.866	.877	85.0	81.0	4.0	79.6	.84	85.0	84.6	„	0.0	0.01	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.866	.831	86.0	82.3	3.7	81.0	.86	86.0	84.6	SSW	0.2					
11 „	.859	.894	88.6	81.4	7.2	78.8	.74	87.1	85.0	„	0.2					
Noon.	.841	.863	90.0	82.0	8.0	79.3	.72	87.9	85.1	„	0.2					
1 p. m.	.816	.825	91.2	82.6	8.6	79.7	.70	88.8	85.4	SW	0.2					
2 „	.780	.824	91.2	81.8	9.4	78.5	.68	89.4	85.6	„	0.2					
3 „	.763	.812	91.6	81.8	9.8	78.4	.67	89.5	85.8	SW b W	0·2					
4 „	.765	.841	91.0	81.0	10.0	77.5	.66	89.0	86.0	WSW	0.1					
5 „	.789	.865	88.6	80.4	8.2	77.5	.71	87.6	86.0	SW b W	0.1					
6 „	.819	.894	86.2	79.8	6.4	77.5	.76	86.2	85.7	SSW	0.0					
7 „	.838	29.011	83.8	76.8	7.0	74.0	.73	84.0	85.4	S	0.2					
8 „	.805	28.921	83.0	78.0	5·0	76.1	.80	83.3	85.1	S b W	0.6					
9 „	.849	.921	83.6	79.2	4.4	77.6	.83	83.8	85.0	„	0.5					
10 „	.858	29.001	82.6	77.2	5.4	75.1	.79	83.0	84.9	S	0.2					
11 „	.859	.082	82.0	75.0	7.0	72.0	.73	82.2	84.7	„	0.3					
May 2nd-Midnight	.886	.125	80.0	74.0	6.0	71.4	.76	80.2	83.8	E	0.2					
1 a. m.	.861	.107	79.4	74.0	5.0	71.1	.78	80.0	83.5	E b S	0.3					
2 „	.841	.037	79.5	75.0	4.5	73.1	.82	80.0	83.3	SE b E	0.3					
3 „	.840	.019	79.4	75.4	4.0	73.8	.84	79.8	83.1	„	0.3					
4 „	.850	.019	79.2	75.6	3.6	74.1	.85	79.8	82.9	„	0.1					
5 „	.870	.015	79.2	76.2	3.0	75.0	.88	79.4	82.9	„	0.2					
6 „	.892	.050	79.6	76.0	3.6	74.6	.85	80.0	82.8	„	0·1					
7 „	.915	.060	82.0	77.0	5.0	75.0	.80	82.0	83.0	„	0·3					
8 „	.937	.081	83.8	77.5	6.3	75.1	.76	83.6	83.1	„	0.2					
9 „	.945	.075	86.2	78.5	7.7	75.6	.71	85.7	83.5	SE	0.0					
10 „	.938	.006	88.6	80.6	8.0	77.7	.71	86.8	83.9	SW b W	0.1					
11 „	.928	28.992	89.8	81.0	8.8	77.9	.69	87.5	84.2	SSW	0·1	None.	None.	None.	None.	None.
Noon.	.913	29.018	90.5	80.2	10.3	76.5	.65	88.0	84.4	WNW	0.1					
1 p. m.	.886	.037	90.0	79.0	11.0	74.8	.62	88.0	84.7	W b N	0.1					
2 „	.858	.049	91.4	80.8	10.6	76.9	.63	88.9	85.0	„	0.1					
3 „	.838	28.918	91.4	81.0	10.4	77.3	.64	89.0	85.2	„	0.1					
4 „	.821	.913	90.0	80.4	9.6	76.9	.67	88.0	85.4	WNW	0.2					
5 „	.835	.948	88.0	79.4	8.6	76.2	.69	87.0	85.3	W b N	0.1					
6 „	.848	.959	85.6	78.8	6.8	76.3	.75	85.4	85.2	„	0.1					
7 „	.869	.984	84.4	78.4	6.0	76.1	.77	84.4	85.0	WNW	0.1					
8 „	.872	29.001	83.4	77.8	5.6	75.6	.78	83.8	84.8	W	0.2					
9 „	.877	28.993	83.0	78.0	5.0	76.1	.80	83.2	84.5	W b N	0.0					
10 „	.883	29.016	82.8	77.5	5.3	75.5	.79	83.0	84.4	„	0.0					
11 „	.871	28.988	82.4	77.8	4.6	76.0	.82	82.5	84.2	WSW	0.0					

Amount of Clouds 0 — 8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
7	C	A few in SW of zth.; scattered throughout, moving NW.	
7	K	Densely clouded with and , both moving NW.	
7	K	Densely clouded with and .	
6	K	and scattered throughout, both moving N.	
7	K	Densely clouded with and .	
7	C	along E hor.; and scattered throughout.	
6	C	along E hor.; scattered about.	
2	B	scattered about hor.	
2	B	"	
2	B	"	
2	B	"	
3	C	"	
4	C	scattered about, moving WSW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°0. Daily fall of rain by Osler's gauge 0.01; maximum tension of electricity by Henly's apparatus 9.0; maximum length of spark by Ronald's measure 0.08in.
2	K	scattered around hor.	
2	K	scattered about hor., moving N	
1	N	scattered around hor., moving N.	
1	N	" "	
1	B	" "	
2	B	" "	
4	B	Light masses of scattered about.	
6	B	and scattered throughout; rain commenced at 8h. 6m.; thunder heard at 8h. 53m. in zth.	
7	C	Densely clouded with and ; rain ceased at 9h. 4m. but recommenced at 9h. 49m.	
6	C	and scattered throughout, former moving SSE, latter N.	
4	C	and scattered about.	
4	C	around hor.; scattered throughout.	
6	K	around hor.; scattered throughout, moving NE.	
7	K	around hor.; scattered about, moving N.	
5	K	" " "	
3	K	around hor.; changed into light , moving NE.	
5	K	along E hor.; scattered about.	
2	B	and around hor., latter moving N; rainbows in E.	
1	B	A few masses of clouds around hor.	
1	B	Masses of around hor.; lightning in SE hor. every 21s.	
1	B	" "	
1	B	around hor.; lightning in SE hor. at intervals of 1m. 16s.	
1	B	around hor.; lightning in SE hor. every 55s.	
1	B	scattered around hor.	
0	C	A few pieces of above E hor., moving SW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 83°1. The reading of barometer at 9 A. M. was 29°945 greatest in the month, and about 0.089in. greater than the normal mean; at 1 A. M. the temperature of evaporation was 74°0 lowest during the month.
1	C	scattered in E and SE, moving SW.	
1	C	scattered around hor., moving SW.	
1	C	scattered around hor., moving SE.	
1	K	" "	
3	K	scattered above hor., moving SE.	
4	K	" "	
2	C	" "	
1	B	scattered around hor., moving ESE.	
1	B	" "	
2	B	scattered about hor., moving ENE.	
2	B	" "	
3	C	" "	
2	C	" "	
2	C	" "	
3	K	scattered about, moving SE.	
4	K	" "	
3	K	" "	
3	K	" "	
0	K	A few pieces of above W hor., moving SE.	
0	B	A few pieces of clouds in hor.	
0	B	"	
0	B	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 3rd-Midnight	29.863	28.968	82°0	78°0	4°0	76°5	0.84	82°2	84°1	SW b W	0.0					
1 a. m.	.856	.994	81.4	77.0	4.4	75.3	.82	82.0	83.9	WSW	0·0					
2 „	.830	.966	81.2	77.0	4.2	75.4	.83	81.9	83.7	„	0·0					
3 „	·835	.969	81.0	77.0	4.0	75.4	.84	81.6	83.5	WNW	0.0					
4 „	.837	.977	80.8	76.8	4.0	75.2	.84	81.5	83.5	W b S	0.0					
5 „	.857	29.019	80.0	76.0	4.0	74.4	.84	80.7	83.5	NW b W	0.0					
6 „	.873	.007	81.0	77.0	4.0	75.4	.84	81.2	83.3	„	0.0					
7 „	.895	.047	83.4	77.2	6.2	74.8	.76	83.0	83.5	SW b W	0.0					
8 „	.916	.050	85.4	78.2	7.2	75.4	.73	84.6	83.6	„	0.0					
9 „	.926	.098	86.2	77.5	8.7	74.0	.68	85.0	83.8	„	0·1					
10 „	.925	.056	88.2	79.0	9.2	75.5	.67	86.4	84.1	„	0.1					
11 „	.917	.060	89.3	79.0	10.3	75.1	.64	87.0	84.4	W	0.1					
Noon.	.903	.044	91.0	79.5	11.5	75.2	.61	88.2	84.6	WSW	0.1	None.	None.	None.	None.	None.
1 p. m.	.884	.007	91.4	80.0	11.4	75.8	.61	89.0	85.0	W b N	0·1					
2 „	.864	28.986	91.3	80.0	11.3	75.9	.61	88.8	85.3	„	0·1					
3 „	.843	.945	91.2	80.6	10.6	76.6	.64	89.0	85.5	„	0·1					
4 „	.827	.959	90.6	79.6	11.0	75.5	.63	88.2	85.6	„	0·2					
5 „	.833	.947	87.4	79.2	8.2	76.1	.70	86.2	85.5	WNW	0·2.					
6 „	.852	.984	85.2	78.2	7.0	75.5	.74	85.0	85.4	„	0·2					
7 „	.869	.996	84.0	78.0	6.0	75.7	.77	84.0	85.1	„	0·2					
8 „	.881	.999	83.2	78.0	5.2	76.0	.80	83.2	85.0	W	0·2					
9 „	.898	29.031	82.4	77.4	5.0	75.5	.80	82.8	84.7	„	0·0					
10 „	.914	28.987	82.2	78.8	3.4	77.6	.86	82.7	84.4	SW b W	0.0					
11 „	.897	29.032	81.8	77.2	4.6	75.4	.82	82.2	84.2	W b S	0.0					
May 4th-Midnight	.878	.014	81.2	77.0	4·2	75.4	.83	81.6	84.1	WSW	0.0					
1 a. m.	.872	.003	80.7	77.0	3.7	75.5	.85	81.0	83.9	„	0.0					
2 „	·859	·021	80.0	76.0	4.0	74.4	.84	80.7	83.6	„	0.0					
3 „	.859	.017	79.6	76.0	3.6	74.6	.85	80.6	83.3	„	0.0					
4 „	.865	.016	79.0	76.0	3.0	74.8	.88	80.0	83.1	„	0.0					
5 „	·864	.026	78.6	75.6	3.0	74.4	.88	79.8	83.1	W b S	0.0					
6 „	.892	.063	79.0	75.5	3.5	74.1	.86	79.5	83.0	„	0.0					
7 „	.909	.065	83.0	77.0	6.0	74.6	.77	83.0	83.2	„	0.0					
8 „	·921	.089	84.8	77.2	7.6	74.2	.72	84.0	83.4	WSW	0.1					
9 „	.924	.082	85.8	77.5	8.3	74.6	.69	84·8	83.7	W b S	0.1					
10 „	.923	·099	87.3	77.7	9.6	73.9	.66	85.7	83.8	WNW	0·1					
11 „	.911	.048	88.7	79.0	9·7	75.3	.66	86.8	84.0	„	0·1	None.	None.	None.	None.	None.
Noon.	.898	.030	89.5	79.3	10.2	75.5	.65	87.5	84.4	„	0.2					
1 p. m.	.874	28.998	90.7	79.8	10.9	75.8	.63	88.5	84.6	W b N	0.2					
2 „	.854	.971	91.2	80.1	11.1	76.0	.62	89.0	85.0	„	0·2					
3 „	·839	.932	90.6	80.5	10.1	76.9	.65	88.5	85.0	„	0.2					
4 „	.825	.920	90.4	80.4	10.0	76.8	.65	88.6	85.4	„	0.2					
5 „	.829	.918	88.2	80.0	8.2	77.0	.70	87.2	85.4	WNW	0.2					
6 „	·848	.948	85.4	79.0	6.4	76.6	.76	85.0	85.2	„	0·2					
7 „	.850	.970	83.4	78.0	5.4	75.9	.79	83.2	85.0	„	0·3					
8 „	.878	.994	83.0	78.0	5.0	76.1	.80	83.0	84.8	„	0·3					
9 „	.885	.997	82.6	78.0	4.6	76.2	.82	82.6	84.6	„	0·3					
10 „	.884	.993	82.4	78.0	4.4	76.3	.83	82.5	84.3	„	0.2					
11 „	.878	.983	82.0	78.0	4.0	76.5	.84	82.1	84.2	NW	0·1					
May 5th-Midnight	.868	29.010	81.7	77.0	4.7	75.1	.82	81.8	84.1	NW b N	0.1					
1 a. m.	.861	28.998	81.3	77.0	4.3	75.3	.83	81.6	83.8	„	0.1					
2 „	.845	.979	81.0	77.0	4.0	75.4	.84	81.2	83.6	„	0.0					
3 „	.849	.992	80.4	76.6	3.8	75.1	.85	81.0	83.4	NNW	0.0					
4 „	.850	.996	79.6	76.3	3.3	75.0	.86	80.0	83.2	N b E	0.0					
5 „	.861	29 006	79.2	76.2	3.0	75.0	.88	79.9	83.2	„	0.0					
6 „	.875	.009	79.6	76.6	3.0	75.4	.88	80.0	83.0	„	0.0	None.	+	8	8	0.45
7 „	.891	.000	82.4	78.0	4.4	76.3	.83	82.8	83.2	„	0.0		+ +	20	18	0.32
8 „	.902	28 988	84.1	79.0	5.1	77.1	.80	83.4	83.4	NE	0·1		+	3		Above 10m.
9 „	.910	29.033	85.6	78.5	7.1	75.8	.74	84.5	83.5	ENE	0·0					
10 „	.904	.020	86.8	79.0	7.8	76.1	.71	85.7	83.9	„	0.0		+	2		1.40
11 „	.888	28.976	88.1	80.0	8.1	77.1	.71	86.5	84.2	WNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—*In recording these Observations*, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒≋ cumulo-strati; and ≋ nimbi.	
1	B	Pieces of light ∿ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°1.
2	C	∿ scattered about hor. and in E, moving NE.	
2	C	" "	
2	C	Light ∿ scattered about hor., moving NE.	
1	C	∿ scattered above W and N hor.	
2	K	∿ scattered about hor., moving NE.	
2	K	" "	
1	K	" "	
1	B	" "	
0	B	A few masses of ∿ in hor.	
1	B	∿ scattered around hor., moving ENE.	
0	B	A few masses of ∿ in hor.	
0	B	A few pieces of ∿ in SE and W hor.	
0	C	Pieces of light ∿, moving ENE.	
0	C	" "	
0	C	⌒ in E; light ∿ in W hor.	
0	C	⌒ along E hor.	
0	K	⌒ along E hor.; patches of ≋, moving E.	
0	K	" " "	
1	K	≋ scattered around hor.; continuous lightning in NE hor.	
1	K	" "	
0	K	Pieces of clouds around hor.; lightning in NE hor.	
0	B	A few pieces of clouds in hor.	
0	B	"	
0	B	Pieces of ∿ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°2.
0	C	"	
1	C	∿ scattered along E hor., moving ENE.	
1	C	∿ scattered around hor., moving ENE.	
1	C	Patches of ∿ scattered about, moving SE.	
1	K	" "	
3	K	Dense ∿ scattered about, moving SE.	
3	K	" "	
2	B	∿ scattered about, moving ENE.	
2	B	" "	
2	B	∿ scattered about hor.	
0	B	A few pieces of ∿ scattered along W hor.	
0	B	A few pieces of ∿ above hor.	
0	C	Clear.	
0	C	"	
1	C	Light ∿ scattered from S to NE hor., moving ESE.	
2	C	Light ∿ scattered about, moving ESE.	
1	K	Light ∿ scattered around hor., moving SE.	
1	K	" "	
0	K	A few pieces of ∿ along E hor.	
0	K	"	
1	K	Light ∿ scattered around hor., moving SE.	
1	B	" "	
1	B	" "	
1	B	Patches of ∿ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°2.
2	C	Pieces of ∿ scattered about hor, moving SE.	
1	C	" "	
1	C	" "	
0	C	A few pieces of ∿ above E hor.	
1	K	∿ scattered around hor., moving SE.	
4	K	∿ scattered about, moving S.	
4	K	" "	
3	B	∿ scattered about, moving SSW.	
4	B	∿ scattered about, moving SW.	
3	B	" "	
0	B	A few pieces of ∿ above E hor., moving SSE.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in reconcentrating the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 5th–Noon.	29.869	28.935	90°0	81°0	9°0	77°8	0.68	88°0	84°5	WNW	0.1		+	2		1.03
1 p. m.	.847	.914	90.1	81.0	9.1	77.8	.68	88.1	84.8	NW b W	0.2		+	3		2.12
2 „	.822	.892	89.6	80.8	8.8	77.7	.69	88.0	85.0	„	0·7		+	1		0.38
3 „	.809	.870	88.0	80.6	7.4	78.0	.73	86.7	85.0	NW	1.2					
4 „	.798	.862	88.0	80.6	7.4	77.9	.73	87.0	85.0	„	1.0		+	2		4.10
5 „	.800	.865	86.0	80.0	6.0	77.8	.77	85.4	85.0	„	0.8	None.			None.	
6 „	.812	.912	84.6	78.8	5.8	76·3	.78	84.2	84.8	„	1.0					
7 „	.823	.956	83.4	77.7	5.7	75.5	.78	83.2	84.5	„	0.6					
8 „	.839	.979	83.0	77.4	5.6	75.2	.78	83.0	84.5	NW b W	0.4					
9 „	.846	.979	82.4	77.4	5.0	75.5	.80	82.5	84.5	„	0.3					
10 „	.852	.967	82.2	77.8	4.4	76.1	.83	82.2	84.2	NW	0.2					
11 „	.851	.965	81.7	77.7	4.0	76.1	.84	81.8	84.0	„	0.1			2		
May 6th-Midnight	.844	.966	81.4	77.4	4.0	75.9	.84	81.5	83.9	NW	0.2					
1 a. m.	.832	.966	81.0	77.0	4.0	75.4	.84	81.2	83.6	NW b N	0.1					
2 „	.826	.969	80.4	76.6	3.8	75.1	.85	81.0	83.4	NNW	0.1					
3 „	.817	.936	79.6	77.0	2.6	76.0	.89	80.0	83.2	N	0.0					
4 „	.821	.975	79.3	76.0	3.3	74.7	.86	79.6	83.1	„	0.0					
5 „	.826	.975	78.8	76.0	2.8	74.9	.88	79.0	83.0	„	0.0					
6 „	.841	.992	79.0	76.0	3.0	74.8	.88	79.5	83.0	„	0.0		+	10	8	0.24
7 „	.852	.985	82.4	77.4	5.0	75.5	.80	82.0	83.0	„	0·0		+	12	10	2.40
8 „	.853	.941	85.8	79.4	6.4	77.1	.76	85.0	83.3	N b W	0.1					
9 „	.865	.944	86.5	79.8	6.7	77.4	.75	85.8	83.6	NW b N	0.2					
10 „	.873	.923	87.8	80.8	7.0	78.3	.74	86·5	83.9	„	0·3					
11 „	.861	.928	88.1	80.5	7.6	77.8	.72	86.8	84.0	„	0·6	None.				
Noon.	.842	.892	88.5	81.0	7.5	78.3	.73	87.0	84.3	„	0·6					
1 p. m.	.816	.877	88.0	80.6	7.4	78.0	.73	86.6	84.4	„	0.7					
2 „	.791	.849	88.9	80.9	8.0	78.1	.71	87.2	84.6	NW	0·8					
3 „	.775	.889	89.0	79.6	9.4	75.8	.67	87.3	84.8	„	0.8					
4 „	.763	.854	88.4	80.0	8.4	76.9	.70	87.0	85.0	NW b N	0.7					
5 „	.771	.893	86.6	78.8	7.8	75.9	.71	85.8	84.8	„	0.4					
6 „	.784	.915	84.4	78.0	6.4	75.5	.76	84.2	84.7	„	0.5					
7 „	.803	.919	83.0	78.0	5.0	76.1	.80	83.6	84.4	„	0.4					
8 „	.817	.962	82.0	77.0	5.0	75.0	.80	82.0	84.3	„	0·4					
9 „	.834	.968	81.8	77.2	4.6	75.4	.82	81.8	84.1	NW	0.5					
10 „	.843	.944	81.6	78.0	3.6	76.6	.86	81.6	83.8	„	0.3					
11 „	.830	.964	81.0	77.0	4.0	75.4	.84	81.2	83.6	„	0.1					
May 7th-Midnight	.819	.970	80.4	76.4	4.0	74.8	.84	80.7	83.5	NW	0.2					
1 a. m.	.808	.945	80.2	76.7	3.5	75.3	.86	80.5	83.2	„	0.1					
2 „	.790	.952	80.0	76.0	4.0	74.4	.84	80.3	83.1	NW b W	0.3					
3 „	.801	.956	79.4	76.0	3.4	74.7	.86	80.0	83.0	NW	0.0					
4 „	.806	.979	79.2	75.5	3.7	74.0	.85	80.0	82.9	„	0.0					
5 „	.824	29.015	78.4	74.8	3.6	73.3	.85	79.0	82.7	„	0·0					
6 „	.834	28.987	79.2	76.0	3.2	74.7	.87	80.0	82.6	„	0·0					
7 „	.838	29.016	83.2	76.5	6.7	73.8	.74	82.5	82.8	NNW	0.0					
8 „	.852	28.970	83.2	78.0	5.2	76.0	.80	83.2	83.0	N	0.0					
9 „	.852	.983	85.5	78.3	7.2	75.5	.73	85.0	83.3	SE b E	0.1					
10 „	.852	29.053	86.3	76.8	9.5	73.0	.66	85.6	83.5	„	0.1					
11 „	.841	.004	88.0	78.2	9.8	74.4	.65	86.5	83.7	NW	0.1	None.	None.	None.	None.	None.
Noon.	.829	.011	89.0	78.0	11.0	73.6	.62	87.0	84.0	WNW	0.1					
1 p. m.	.807	28.966	90.0	78.8	11.2	74.5	.62	88.0	84.3	„	0.3					
2 „	.783	.902	91.0	80.0	11.0	76.0	.63	88.8	84.6	„	0·3					
3 „	.763	.906	91.2	79.5	11.7	75.1	.60	88.9	84.9	W	0·2					
4 „	.761	.916	90.4	79.0	11.4	74.7	.61	88.0	85.0	„	0·2					
5 „	.770	.900	88.1	79.0	9.1	75.6	.67	87.0	85.0	„	0·2					
6 „	.788	.923	85.6	78.2	7.3	75.4	.73	85.2	84.9	„	0.1					
7 „	.803	.939	84.1	77.8	6.3	75.4	.76	84.1	84.6	WNW	0·2					
8 „	.823	.974	83.6	77.3	6.3	74.8	.76	83.7	84.4	W b N	0.1					
9 „	.831	.982	83.6	77.3	6.3	74.8	.76	83.7	84.3	W	0.1					
10 „	.732	.979	83.3	77.3	6.0	75.0	.77	83.4	84.3	„	0.1					
11 „	.825	.981	83.0	77.0	6.0	74.6	.77	83.1	84.1	W b N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒⌣≀ cumulo-strati; and ∿⌣≀ nimbi.	
0	B	Clear.	
0	C	A few pieces of clouds above E hor.	
0	C	A few patches of clouds along E hor.	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°2.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	A few pieces of clouds in W hor.	
0	K	"	
0	K	"	
0	B	"	
0	B	"	
0	B	Clear.	
0	B	"	
0	B	"	
0	C	"	
0	C	A few pieces of clouds in E hor.	
0	C	"	
0	C	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	A few pieces of clouds in W hor.	
0	B	A few pieces of clouds around hor.	
0	B	Clear.	
0	B	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°2. At 5 A. M. the reading of air thermometer was 78°4 lowest in the month, and about 2°1 lower than the normal mean.
0	C	A few pieces of clouds around hor.	
2	C	∿≀ scattered around hor., moving SE.	
2	C	" "	
2	C	" "	
3	K	" "	
0	K	A few pieces of clouds along E hor.	
1	K	∿≀ scattered around hor., moving SE.	
3	B	∿≀ scattered about hor., moving SE.	
2	B	" "	
0	B	A few patches of ∿≀ around hor.	
0	B	A few pieces of clouds in E, SE, and S hor.	
0	B	Pieces of ∿≀ scattered about, moving SSE.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Pieces of ∿≀ here and there observed.	
3	B	∿≀ scattered about, moving ESE.	
4	B	∿≀ scattered about, moving E.	
3	B	" "	
5	B	" "	
7	B	∿≀ scattered throughout.	
3	B	"	
3	B	∿≀ scattered about hor. and in S of zth.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 9th-Midnight	29.837	29.019	81°8	76°0	5°8	73°6	0.77	81°8	83°7	NW b W	0.2					
1 a. m.	.829	.009	81.6	76.0	5.6	73.7	.78	81.8	83.5	W b N	0·2					
2 „	.810	28.989	81.5	76.0	5.5	73.8	.78	81.6	83.4	„	0.2					
3 „	.814	29.011	81.0	75.4	5.6	73.1	.78	81.3	83.2	„	0.1					
4 „	.823	.011	80.2	75.4	4.8	73.4	.81	81.0	83.1	„	0·0					
5 „	.833	.011	80.4	75.7	4.7	73.8	.81	80.7	83.1	„	0·0					
6 „	.858	.031	81.0	76.0	5.0	74.0	.80	81.2	83.2	NW b W	0.0					
7 „	.875	.055	83.0	76.4	6.6	73.7	.75	82.8	83.3	NW	0·0					
8 „	.892	.073	85.3	77.0	8.3	73.7	.69	84.5	83.4	NW b N	0.1					
9 „	.908	.115	86.6	76.6	10.0	72.7	.64	85.6	83.7	„	0.2					
10 „	.907	.133	87.6	76.5	11.1	71.9	.61	86.1	83.9	NNW	0·1					
11 „	.902	.141	89.8	76.8	13.0	71.4	.56	86.8	84.2	NW	0·2					
Noon.	.889	.118	89.6	77.0	12.6	71.8	.57	87.6	84.3	„	0.6	None.	None.	None.	None.	None.
1 p. m.	.866	.072	90.1	77.7	12.4	72.8	.58	88.0	84.7	WNW	0·5					
2 „	.850	.029	89.8	78.3	11.5	73.8	.61	88.0	85.0	„	0·5					
3 „	.835	.006	89.5	78.4	11.1	74.1	.62	87.6	85.0	„	0.5					
4 „	.827	.029	89.0	77.5	11.5	72.9	.61	87.3	85.0	„	0·3					
5 „	.837	28.976	86.6	78.4	8.2	75.2	.70	85.8	85.2	NW b W	0.3					
6 „	.850	.988	85.0	78.0	7.0	75.3	.74	85.0	85.0	„	0.3					
7 „	.851	.989	83.2	77.5	5.7	75.3	.78	83.2	84.7	„	0.4					
8 „	.859	29.011	82.6	77.0	5.6	74.8	.78	82.6	84.5	„	0.5					
9 „	.869	.002	82.4	77.4	5.0	75.5	.80	82.5	84.3	„	0.5					
10 „	.871	.019	82.3	77.0	5.3	74.9	.79	82.3	84.1	NW	0.2					
11 „	.869	.014	82·0	77.0	5.0	75.0	.80	82.1	84.0	„	0.3					
May 10th-Midnight	.857	.037	81.6	76.0	5.6	73.7	.78	81.8	83.9	NW	0.2					
1 a. m.	.849	.003	81.4	76.6	4.8	74.7	.81	81.6	83.6	„	0.2					
2 „	.834	.007	81.0	76.0	5.0	74.0	.80	81.4	83.5	„	0.2					
3 „	.829	.002	81.0	76.0	5.0	74.0	.80	81.2	83.3	NNW	0.1					
4 „	.839	28.999	80.6	76.2	4.4	74.5	.82	81.0	83.2	„	0.1					
5 „	.852	29.015	80.8	76.2	4.6	74.4	.82	81.0	83.2	„	0.0					
6 „	.877	.005	81 2	77.2	4.0	75.6	.84	81.5	83.2	„	0.0					
7 „	.899	.040	82.4	77.2	5.2	75.2	.80	82.4	83.3	NW b W	0.0		+	2		Above 10m
8 „	.916	.057	85.3	78.0	7.3	75.2	.73	84.9	83.5	„	0.1					
9 „	.926	.083	86.7	78.0	8.7	74.6	.68	85.5	83.7	„	0.2					
10 „	.930	.097	87.6	78.0	9.6	74.2	.66	86.3	84.0	„	0.1					
11 „	.916	.107	88.0	77.5	10.5	73.3	.63	86.5	84.2	„	0·1					
Noon.	.905	.087	89.0	78.0	11.0	73.6	.62	87.4	84.5	„	0.3	None.			None.	
1 p. m.	.879	.056	89.3	78.2	11.1	73.8	.62	87.8	84.7	WNW	0.2					
2 „	.863	.006	89.3	79.0	10.3	75.1	.64	87.5	85.0	„	0.4					
3 „	.841	28.995	88.8	78.6	10.2	74.7	.64	87.4	85.0	„	0.7					
4 „	.827	.957	88.0	79.0	9.0	75.6	.68	86.8	85.0	„	0.8					
5 „	.835	.968	86.0	78.4	7.6	75.5	.72	85.0	85.0	NW b W	0.3					
6 „	.850	.965	84.4	78.4	6.0	76.1	.77	84.5	84.8	„	0.3					
7 „	.857	.967	83.2	78.2	5.0	76.3	.80	83.2	84.6	„	0.3					
8 „	.868	.956	82.8	78.6	4.2	77.1	.83	82.8	84.4	„	0.2					
9 „	.879	.972	82.4	78.4	4.0	76.9	.84	82.6	84.3	WNW	0.2					
10 „	.870	.977	82.2	78.0	4.2	76.4	.83	82.5	84.2	NW b W	0.2					
11 „	.861	.966	82.0	78.0	4.0	76.5	.84	82.2	84.0	„	0·2					
May 11th-Midnight	.846	.964	81.7	77.6	4.1	76.0	.84	81.9	83.9	NW	0·3					
1 a. m.	.826	933	81.4	77.8	3.6	76.4	.85	81.8	83.6	NW b N	0.3					
2 „	.812	.946	81.0	77.0	4.0	75.4	.84	81.4	83.5	„	0.3					
3 „	.808	.979	80.6	76.0	4.6	74.4	.82	81.0	83.3	„	0.2					
4 „	.810	.968	80.4	76.2	4.2	74.6	.83	80.9	83.2	„	0·2	None.	+	2		Above 10m.
5 „	.822	.965	80.4	76.6	3.8	75.1	.85	81.0	83.2	NNW	0.1		+	2		Above 10m.
6 „	.842	.964	81.4	77.4	4.0	75.9	.84	81.5	83.2	„	0.1		+	8	6	0.28
7 „	.855	29.018	84.4	77.2	7.2	74.4	.73	84.0	83.5	N	0.1		+	4		0.15
8 „	.876	.026	85.3	77.8	7.5	74.8	.73	84.5	83.6	NNW	0·1					
9 „	.874	.027	86.4	78.0	8.4	74.7	.69	85.3	83.8	NW b N	0.1					
10 „	.873	.045	87.3	77.8	9.5	74.0	.66	86.0	84.1	„	0.1					
11 „	.863	28.992	88.0	79.0	9.0	75.6	.68	86.8	84.3	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
2	B	Light ≋ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°2.
2	C	" "	
3	C	" "	
1	C	" "	
0	C	A few masses of light ≋ above W hor.	
4	K	Light ≋ scattered about, moving SE.	
2	K	" "	
4	K	" "	
3	B	" "	
2	B	" "	
1	B	" "	
1	B	A few pieces of ≋ around hor.	
0	B	A few pieces of clouds in hor.	
0	C	A few pieces of clouds in E hor.	
0	C	"	
0	C	Clear.	
0	C	"	
2	K	Light ≋ scattered about, moving SE.	
2	K	" "	
5	K	" "	
6	K	" "	
6	K	" "	
4	B	" "	
3	B	" "	
3	B	≋ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°3.
4	C	≋ scattered about, moving ESE.	
4	C	" "	
1	C	≋ scattered around hor., moving ESE.	
1	C	" "	
4	K	≋ scattered about, moving SE.	
5	K	" "	
6	K	" "	
3	B	" "	
3	B	" "	
2	B	≋ scattered about hor., moving SE.	
1	B	" "	
0	B	Pieces of ≋ around hor.	
0	C	"	
0	C	A few pieces of ≋ above E hor.	
0	C	Clear.	
0	C	A few masses of ≋ scattered around hor.	
0	K	A few pieces of ≋ here and there observed.	
1	K	Light ≋ scattered around hor., moving SE.	
4	K	Light ≋ scattered about, moving SE.	
5	K	" "	
6	K	" "	
3	B	Light ≋ scattered about, moving ESE.	
3	B	" "	
4	B	≋ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°3.
6	C	" "	
3	C	" "	
3	C	≋ scattered about hor., moving ESE.	
3	C	" "	
3	K	≋ scattered about hor., moving E.	
5	K	≋ scattered about, moving SE.	
5	K	" "	
4	B	" "	
3	B	≋ scattered about hor.	
2	B	"	
1	B	≋ scattered here and there.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 11th-Noon.	29.843	28.985	89°2	79°0	10°2	75°1	0.64	87°4	84°5	NW b N	0.5					
1 p. m.	.817	.970	89.4	78.8	10.6	74.7	.63	87.9	84·7	NW	0.5					
2 „	.801	.948	89.6	79.0	10.6	75.0	.63	88.0	85.0	„	0.7					
3 „	.779	.919	89.0	79.0	10.0	75.2	.65	87.7	85.0	„	0.8					
4 „	.769	.914	88.0	78.6	9.4	75.0	.67	86.6	84.9	„	0.7					
5 „	.778	.937	86.2	77.8	8.4	74.5	.69	85.5	84.9	„	0.6	None.	None.	None.	None.	None.
6 „	.789	.904	84.4	78.4	6.0	76.1	.77	84.2	84.8	„	0.6					
7 „	.803	.938	83.2	77.6	5.6	75.4	.78	83.2	84.5	„	0.5					
8 „	.813	.967	82.8	77.0	5.8	74.7	.77	82.5	84.3	„	0.7					
9 „	.818	.951	82.4	77.4	5.0	75.5	.80	82.4	84.2	„	0.5					
10 „	.819	.939	81.9	77.6	4.3	75.9	.83	82.1	84.1	„	0.1					
11 „	.811	.932	81.7	77.5	4.2	75.9	.83	81.9	83.9	NNW	0.2					
May 12th-Midnight	.798	.938	81.5	77.0	4.5	75.2	.82	81.6	83.7	NNW	0.1					
1 a. m.	.772	.918	81.1	76.7	4.4	75.0	.82	81.4	83.5	„	0.1					
2 „	.761	.906	81.0	76.7	4.3	75.0	.83	81.4	83.4	„	0.2					
3 „	.756	.907	80.8	76.5	4.3	74.8	.83	81.2	83.3	„	0.3					
4 „	.756	.910	81.0	76.5	4.5	74.7	.82	81.1	83.2	„	0.2					
5 „	.762	.896	81.0	77.0	4.0	75.4	.84	81.2	83.3	„	0.1					
6 „	.784	.914	81.4	77.2	4.2	75.6	.83	81.8	83.3	„	0.1					
7 „	.809	.947	85·0	78.0	7.0	75.3	.74	84.4	83.6	N b W	0.1					
8 „	.817	.994	86.4	77.4	9.0	73.8	.67	85.3	83.8	NNW	0.1					
9 „	.824	29.017	87.4	77.3	10.1	73.2	.64	85.5	84.0	NW b N	0.1					
10 „	.816	28.952	88.6	79.0	9.6	75.4	.66	87.0	84.3	NNW	0.1	None.	None.	None.	None.	None.
11 „	.798	.934	88.6	79.0	9.6	75.4	.66	87.0	84.4	NW b N	0.2					
Noon.	.779	.923	89.4	79.0	10.4	75.1	.64	87.9	84.7	NNW	0.6					
1 p. m.	.760	.902	89.2	79.0	10.2	75.1	.65	87.9	84·9	NW b N	1.0					
2 „	.744	.863	89.0	79.5	9.5	76.0	.66	87.7	85.0	„	0.8					
3 „	.727	.863	88.6	79.0	9.6	75.4	.66	87.3	85.2	„	1.0					
4 „	.715	.858	87.8	78.6	9.2	75.1	.67	86.6	85.1	„	1.2					
5 „	.728	.851	86.0	78.6	7.4	75.8	.73	85.5	85.1	„	1.0					
6 „	.744	.869	84.6	78.2	6.4	75.8	.76	84.8	85.0	NW	0.8					
7 „	.748	.873	83.0	77.8	5.2	75.8	.80	82.8	84.8	„	1.0					
8 „	.773	.887	82.8	78.0	4.8	76.1	.81	83.0	84.6	NNW	0.5					
9 „	.779	.893	82.8	78.0	4.8	76.1	.81	82.8	84.4	„	0.4					
10 „	.784	.893	82.4	78.0	4.4	76.3	.83	82.4	84.3	„	0.2					
11 „	.777	.882	82.0	78.0	4.0	76.5	.84	82.0	84.1	NW b N	0.2					
May 13th-Midnight	.766	.883	81.6	77.6	4.0	76.0	.84	81.6	83.9	NW b N	0.3					
1 a. m.	.756	.892	81.2	77.0	4.2	75.4	.83	81.5	83.7	NNW	0.1					
2 „	.747	.881	81.0	77.0	4.0	75.4	.84	81.5	83.6	„	0.4					
3 „	.740	.887	80.8	76.6	4.2	75.0	.83	81.1	83.4	„	0.3					
4 „	.744	.882	80.6	76.8	3.8	75.3	.85	80.9	83.3	N b W	0.1					
5 „	.756	.896	80.8	76.8	4.0	75.2	.84	81.0	83.3	NNW	0.0		+	8	6	0.40
6 „	.786	.908	81.4	77.4	4.0	75.9	.84	81.5	83.3	N	0.0		+	Out of Sc.	30	0·16
7 „	.806	.938	83.0	77.6	5.4	75.5	.79	83.0	83.5	„	0.0		+	8	6	2.35
8 „	.821	.954	84.5	78.0	6.5	75.5	.75	84·0	83.6	NNW	0.2		+	1		Above 10m.
9 „	.820	.961	86.4	78.3	8.1	75.2	.70	85.3	83.8	„	0.4					
10 „	.817	.965	87.4	78.4	9.0	74.9	.67	86.2	84.0	„	0.7					
11 „	.805	.928	88.2	79.2	9.0	75.8	.68	87.0	84.3	„	0.6	None.				
Noon.	.794	.904	88.6	79.6	9.0	76.3	.68	87.2	84.4	„	0·8					
1 p. m.	.767	.866	88.3	79.8	8.5	76.7	.69	87.0	84.8	N W b N	1.0					
2 „	.747	.838	88.4	80.0	8.4	76.9	.70	87.1	84.9	„	1.5					
3 „	.730	.827	87.8	79.7	8.1	76.7	.71	86.8	85.0	„	1.7					
4 „	.718	.834	87.2	79.1	8.1	76.1	.71	86·1	85.0	„	2.0					
5 „	.728	.854	85.4	78.4	7.0	75.7	.74	85.0	84.9	„	1.5					
6 „	.745	.845	84.2	78.7	5.5	76.3	.79	84.4	84.8	„	1.0					
7 „	.747	.880	82.8	77.5	5.3	75.5	.79	82.8	84.6	„	1.4					
8 „	.767	.876	82.4	78.0	4.4	76.3	.83	82.2	84.4	„	1·0					
9 „	.789	.882	82.0	78.3	3.7	76.9	.85	82.0	84.3	„	0.6					
10 „	.793	.868	82.0	78.7	3.3	77.5	.87	82.0	84.0	„	0.7					
11 „	.794	.877	81.5	78.4	3.1	77.3	.87	81.5	83.7	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
1	B	∿i scattered here and there.	
2	C	∿i scattered about hor., moving SE.	
4	C	∿i scattered about, moving SE.	
4	C	" "	
4	C	" "	
2	K	∿i scattered about hor., moving SE.	
3	K	" "	
5	K	∿i scattered about, moving ESE.	
5	K	" "	
4	K	" "	
5	B	∿i scattered about, moving SE.	
5	B	" "	
5	B	∿i scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°3.
4	C	" "	
4	C	" "	
4	C	" "	
3	C	" "	
4	K	" "	
3	K	" "	
4	K	" "	
2	B	∿i scattered here and there.	
1	B	∿i scattered about hor.	
2	B	"	
1	B	"	
0	B	A few pieces of ∿i around hor.	
1	C	∿i scattered in W.	
1	C	∿i scattered along W hor., moving SE.	
1	C	" "	
1	C	" "	
0	K	Clear.	
0	K	"	
0	K	A few patches of clouds along E hor.	
6	K	∿i scattered throughout, moving SE.	
6	K	" "	
5	B	" "	
2	B	∿i scattered around hor., moving SE.	
1	B	∿i scattered around hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°3.
4	C	∿i scattered about.	
4	C	"	
3	C	"	
7	C	"	
7	K	"	
7	K	"	
7	K	"	
6	B	"	
1	B	∿i scattered around hor.	
1	B	"	
0	B	A few pieces of clouds in W, NW, and NE.	
0	B	A few pieces of clouds in hor.	
0	C	Clear.	
0	C	Pieces of clouds along E hor.	
0	C	"	
0	C	"	
0	K	A few pieces of clouds in hor.	
0	K	"	
0	K	"	
0	K	"	
2	K	∿i scattered around hor., moving SE.	
2	B	" "	
1	B	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 14th-Midnight	29.779	28.876	81°3	78°0	3°3	76°7	0.87	81°3	83°7	NW b N	0·2					
1 a. m.	.774	.868	81.0	78.0	3.0	76.8	.88	81.2	83.5	,,	0·5					
2 ,,	.774	.875	81.0	77.4	3.6	76.6	.85	81.2	83.5	NNW	0.7					
3 ,,	.762	.894	80.8	77.0	3.8	75.5	.85	81.0	83.3	,,	0.6					
4 ,,	.768	.931	80.8	76.2	4.6	74.4	.82	81.0	83.1	N b W	0.2					
5 ,,	.782	.930	80.5	76.5	4.0	74.9	.84	80.5	83.2	N	0.2					
6 ,,	.809	.943	81.0	77.0	4.0	75.4	.84	81.0	83.2	,,	0.1					
7 ,,	.827	.965	83.2	77.5	5.7	75.3	.78	83.0	83.3	,,	0.1					
8 ,,	.848	.999	84.0	77.4	6.6	74.8	.75	83.6	83.4	,,	0·1					
9 ,,	.856	29.010	87.2	78.2	9.0	74.7	.67	86.0	83.7	NNW	0.2					
10 ,,	.847	28.989	87.7	78.6	9.1	75.1	.67	86.5	84.0	NW b N	0.4	None.	None.	None.	None.	None.
11 ,,	.833	.964	88.2	79.0	9.2	75.5	.67	86.7	84.2	NNW	0.6					
Noon.	.819	.954	88.5	79.0	9.5	75.4	.66	87.0	84.6	NW	0.7					
1 p. m.	.793	.911	88.5	79.4	9.1	76.0	.68	87.0	84.6	NW b N	1·2					
2 ,,	.773	.909	88.6	79.0	9.6	75.4	.66	87.0	84.7	,,	0.8					
3 ,,	.751	.863	87.9	79.4	8.5	76.2	.69	86.9	84.9	,,	0·8					
4 ,,	.751	.873	87.4	79.0	8.4	75.9	.69	86.5	84.9	,,	1·0					
5 ,,	.759	.863	85.7	79.0	6.7	76.5	.75	85.1	84.8	,,	0·8					
6 ,,	.770	.903	84.5	78.0	6.5	75.5	.75	84.1	84.8	,,	0.3					
7 ,,	.779	.906	82.6	77.6	5.0	75.7	.80	82.7	84.6	NW	0.3					
8 ,,	.793	.908	82.2	77.8	4.4	76.1	.83	82.3	84.2	,,	0.2					
9 ,,	.801	.913	81.9	77.8	4.1	76.2	.84	82.0	84.0	,,	0.2					
10 ,,	.803	.937	81.7	77.2	4.5	75.4	.82	81.9	83.8	,,	0.3					
11 ,,	.798	.924	81.4	77.3	4.1	75.7	.84	81.5	83.6	,,	0.1					
May 16th-Midnight	.824	.966	81.7	77.0	4.7	75.1	.81	81.8	83.6	NW	0.3					
1 a. m.	.806	.953	81.4	76.8	4.6	75.0	.82	81.6	83.4	NW b N	0.2					
2 ,,	.784	.932	81.2	76.7	4.5	74.9	.82	81.5	83.2	,,	0.2					
3 ,,	.774	.930	81.2	76.5	4.7	74.6	.81	81.4	83.2	,,	0.4					
4 ,,	.774	.925	80.8	76.5	4.3	74.8	.83	81.0	83.1	,,	0.1					
5 ,,	.792	.911	81.2	77.5	3.7	76.0	.85	81.4	83.1	,,	0.1					
6 ,,	.806	.944	81.4	77.0	4.4	75.3	.82	81.4	83.3	N	0.0					
7 ,,	.825	.981	83.0	77.0	6.0	74.6	.77	82.7	83.3	,,	0.0					
8 ,,	.834	.981	84.0	77.5	6.5	75.0	.75	83.9	83.4	N b W	0.0					
9 ,,	.845	.963	87.0	79.0	8.0	76.0	.71	86.1	83.6	NNW	0.1					
10 ,,	.845	.998	88.3	78.5	9.8	74.7	.65	86.9	84.0	NW b N	0.3	None.	None.	None.	None.	None.
11 ,,	.838	.940	88.8	79.7	9.1	76.6	.68	87.3	84.3	NW	0.2					
Noon.	.823	.963	89.0	79.0	10.0	75.2	.65	87.5	84.5	,,	0.7					
1 p. m.	.807	.941	90.0	79.4	10.6	75.4	.62	88.4	84.9	,,	0.8					
2 ,,	.787	.875	90.0	80.5	9.5	77.1	.67	88.4	85.0	,,	0.6					
3 ,,	.761	.882	89.2	79.5	9.7	75.9	.66	87.3	85.0	,,	0.7					
4 ,,	.753	.866	88.5	79.5	9.0	76.2	.68	87.0	85.2	,,	0.8					
5 ,,	.757	.861	86.8	79.3	7.5	76.5	.72	86.0	85.3	,,	0.5					
6 ,,	.764	.860	85.0	79.0	6.0	76.8	.77	85.2	85.2	,,	0.4					
7 ,,	.771	.881	83.2	78.2	5.0	76.3	.80	83.2	84.7	,,	0.3					
8 ,,	.787	.899	82.6	78.0	4.6	76.2	.82	82.6	84.5	,,	0.2					
9 ,,	.791	.898	82.2	78.0	4.2	76.4	.83	82.2	84.3	,,	0.2					
10 ,,	.793	.900	82.2	78.0	4.2	76.4	.83	82.5	84.2	NW b N	0·3					
11 ,,	.778	.870	81.8	78.2	3.6	76.9	.86	82.0	84.0	,,	0.5					
May 17th-Midnight	.768	.890	81.4	77.4	4.0	75.9	.84	81.5	83.9	NNW	0.5					
1 a. m.	.759	.874	81.1	77.5	3.6	76.1	.85	81.4	83.6	,,	0.4					
2 ,,	.752	.869	80.9	77.4	3.5	76.0	.86	81.3	83.4	N b W	0.2					
3 ,,	.744	.876	80.8	77.0	3.8	75.5	.85	81.1	83.3	,,	0.1					
4 ,,	.752	.884	80.8	77.0	3.8	75.5	.85	81.0	83.3	,,	0·1	None.	None.	None.	None.	None.
5 ,,	.757	.900	80.0	76.5	3.5	75.1	.86	80.0	83.2	N b E	0.2					
6 ,,	.777	.894	80.2	77.2	3.0	76.0	.88	80.5	83.0	,,	0.0					
7 ,,	.794	.922	82.6	77.6	5.0	75.6	.80	82.6	83.3	NNE	0·0					
8 ,,	.811	.927	85.9	78.5	7.4	75.7	.73	85.3	83.6	N	0.1					
9 ,,	.814	.940	87.7	79.0	8.7	75.7	.69	86.3	83.9	NNW	0.1					
10 ,,	.808	.897	88.2	80.0	8.2	77.0	.70	87.0	84.2	,,	0.5					
11 ,,	.802	.895	88.5	80.0	8.5	76.9	.70	87.0	84.4	,,	0·8					

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
2	B	≀≀ scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°5.
7	C	≀≀ scattered about, moving SE.	
6	C	" "	
5	C	" "	
3	C	" "	
6	K	" "	
6	K	" "	
5	K	" "	
5	B	" "	
4	C	≀≀ scattered about hor., moving SE.	
3	C	" "	
2	C	" "	
0	C	A few pieces of clouds in SE hor.	
0	B	A few ≀ in SE; a few patches ≀≀ above W hor.	
0	B	A few patches of ≀≀ above W hor.	
0	B	≀ in S hem.; ≀≀ in NE above hor.	
0	B	Patches of ≀≀ above SE; ≀ above E hor.	
0	C	Pieces of ≀≀ above SE; ≀ along E hor.	
0	C	" "	
0	C	A few pieces of clouds in W hor.	
0	C	Clear.	
0	C	Pieces of ≀≀ scattered here and there, moving SE.	
3	C	Dense ≀≀ scattered about, moving SE.	
1	C	≀ scattered along E hor.	
5	B	≀≀ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°5.
5	C	" "	
5	C	" "	
4	C	" "	
3	C	" "	
6	K	" "	
3	K	" "	
4	K	" "	
4	B	≀≀ scattered about, moving SSE.	
3	B	≀≀ scattered about hor.	
2	B	"	
1	B	"	
1	B	"	
1	C	A few masses of ≀≀ about W hor.	
1	C	Patches of ≀≀ around hor., moving SE.	
1	C	" "	
2	C	" "	
2	K	Patches observed here and there, moving SE.	
2	K	" "	
3	K	" "	
4	K	≀≀ scattered about, moving SE.	
4	K	" "	
4	B	" "	
3	B	" "	
3	B	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°6.
6	C	" "	
8	C	Overcast with ≀≀, a few stars dimly visible.	
6	C	≀≀ scattered about, moving SE.	
5	C	" "	
4	K	" "	
4	K	" "	
3	K	" "	
2	B	Masses of ≀≀ around hor.	
1	B	"	
1	B	"	
0	B	A few clouds in W hor.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 17th-Noon.	29.777	28.854	88°7	80°4	8.3	77°4	0.70	87°2	84°6	NW b N	0.5					
1 p. m.	.755	.820	88.7	80.7	8.0	77.8	.71	87.0	84.8	,,	0.4					
2 ,,	.736	.787	88.6	81.0	7.6	78.3	.73	87.0	85.0	,,	0.5					
3 ,,	.720	.757	88.2	81.2	7.0	78.8	.74	87.0	85.0	,,	0.8					
4 ,,	.716	.773	87.6	80.6	7.0	78.1	.74	86.4	85.1	,,	1.0					
5 ,,	.728	.774	86.2	80.5	5.7	78.5	.78	85.6	85.1	NW	1.0	None.	None.	None.	None.	None.
6 ,,	.745	.782	85.0	80.4	4.6	78.8	.82	85.2	85.1	,,	0.4					
7 ,,	.763	.797	83.2	80.0	3.2	78.9	.87	83.2	84.8	,,	0.4					
8 ,,	.785	.823	82.8	79.8	3.0	78.7	.88	82.8	84.6	,,	0.4					
9 ,,	.797	.831	82.4	79.8	2.6	78.9	.89	82.3	84.5	,,	0.5					
10 ,,	.788	.819	82.2	79.8	2.4	79.0	.90	82.3	84.3	NW b N	0.5					
11 ,,	.787	.838	82.0	79.3	2.7	78.3	.89	82.2	84.2	NNW	0.3					
May 18th-Midnight	.772	.822	81.6	79.2	2.4	78.3	.90	81.9	84.0	NNW	0.2					
1 a. m.	.752	.840	81.2	78.2	3.0	77.1	.88	81.7	83.9	,,	0.2					
2 ,,	.746	.840	81.0	78.0	3.0	76.8	.88	81.5	83.7	N b W	0.3					
3 ,,	.740	.832	80.8	78.0	2.8	76.9	.89	81.2	83.5	NNW	0.2					
4 ,,	.746	.836	80.6	78.0	2.6	77.0	.89	81.0	83.3	,,	0.1					
5 ,,	.749	.845	80.4	77.8	2.6	76.8	.89	80.5	83.3	N b E	0.0					
6 ,,	.772	.859	80.4	78.0	2.4	77.1	.90	81.0	83.3	,,	0.0					
7 ,,	.793	.899	83.6	78.4	5.2	76.4	.80	83.4	83.5	NNE	0.0					
8 ,,	.808	.908	85.4	79.0	6.4	76.6	.76	85.0	83.6	,,	0.1					
9 ,,	.807	.913	87.4	79.4	8.0	76.4	.71	86.2	83.9	NNW	0.1					
10 ,,	.807	.884	88.3	80.3	8.0	77.4	.71	86.9	84.3	NW	0.1					
11 ,,	.806	.889	89.6	80.5	9.1	77.2	.68	87.6	84.6	,,	0.1					
Noon.	.791	.867	90.2	80.8	9.4	77.5	.67	88.0	84.8	WNW	0.2	None.	None.	None.	None.	None.
1 p. m.	.771	.828	90.8	81.4	9.4	78.1	.67	88.8	85.0	,,	0.1					
2 ,,	.759	.807	90.4	81.5	8.9	78.4	.69	88.5	85.3	,,	0.2					
3 ,,	.739	.776	89.8	81.6	8.2	78.8	.71	88.3	85.5	,,	0.4					
4 ,,	.733	.773	89.2	81.4	7.8	78.7	.72	87.7	85.5	,,	0.2					
5 ,,	.737	.772	87.2	81.0	6.2	78.8	.77	86.4	85.5	,,	0.3					
6 ,,	.730	.780	85.4	80.2	5.2	78.3	.80	85.6	85.5	,,	0.3					
7 ,,	.735	.765	83.6	80.2	3.4	79.0	.87	83.5	85.2	NW b W	0.6					
8 ,,	.753	.785	83.0	80.0	3.0	78.9	.88	83.0	84.8	,,	0.8					
9 ,,	.777	.799	82.8	80.2	2.6	79.3	.90	82.8	84.7	NW	0.4					
10 ,,	.782	.826	82.6	79.6	3.0	78.5	.88	82.6	84.6	,,	0.4					
11 ,,	.770	.828	82.3	79.2	3.1	78.1	.87	82.4	84.4	NW b N	0.2					
May 19th-Midnight	.757	.862	82.0	78.0	4.0	76.5	.84	82.1	84.2	NNW	0.1					
1 a. m.	.726	.824	81.4	78 0	3.4	76.7	.86	81.9	84.0	,,	0.1					
2 ,,	.726	.802	81.3	78.5	2.8	77.5	.89	81.6	83.8	NW b N	0.1					
3 ,,	.721	.813	80.8	78.0	2.8	76.9	.89	81.1	83.6	NW	0.2					
4 ,,	.733	.825	80.8	78.0	2.8	76.9	.89	81.2	83.5	,,	0.0					
5 ,,	.753	.870	80.2	77.2	3.0	76.0	.88	81.0	83.4	,,	0.0					
6 ,,	.773	.865	80.8	78.0	2.8	76.9	.89	81.0	83.4	SW	0.0					
7 ,,	.788	.845	84.5	79.8	4.7	78.1	.82	84.0	83.7	SSW	0.0					
8 ,,	.810	.899	86.7	79.6	7.1	77.0	.74	85.6	83.9	S b W	0.1					
9 ,,	.819	.877	88.5	80.8	7.7	78.0	.72	87.0	84.3	,,	0.1					
10 ,,	.813	.913	89.2	80.0	9.2	76.6	.67	87.2	84.5	SW b S	0.1					
11 ,,	.799	.867	90.2	81.0	9.2	77.7	.68	88.1	84.8	,,	0.1					
Noon.	.778	.833	91.0	81.5	9.5	78.2	.67	88.9	85.1	SW	0.1	None.	None.	None.	None.	None.
1 p. m.	.759	.842	91.6	81.0	10.6	77.2	.64	89.3	85.5	W b N	0.1					
2 ,,	.733	.820	92.0	81.0	11.0	77.1	.63	89.5	85.6	,,	0.2					
3 ,,	.715	.810	92.0	80.8	11.2	76.8	.62	89.5	85.9	WNW	0.2					
4 ,,	.697	.808	90.3	80.0	10.3	76.3	.64	88.2	86.0	,,	0.2					
5 ,,	.697	.776	88.0	80.2	7.8	77.4	.72	87.0	85.8	NW b W	0.2					
6 ,,	.698	.757	86.2	80.2	6.0	78.0	.78	85.8	85.7	,,	0.2					
7 ,,	.714	.799	84.0	79.0	5.0	77.2	.81	83.8	85.4	,,	0.4					
8 ,,	.733	.811	83.4	79.0	4.4	77.4	.83	83.4	85.2	NW	0.3					
9 ,,	.744	.802	83.0	79.4	3.6	78.1	.86	83.0	85.0	,,	0.4					
10 ,,	.739	.802	82.7	79.2	3.5	77.9	.86	82.7	84.6	NW b W	0.2					
11 ,,	.748	.817	82.5	79.0	3.5	77.7	.86	82.6	84.6	NW	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli ⌣i cirro-strati; ∿. cumulo-strati; and ∿.i nimbi.	
0	B	Clear.	
0	C	"	
0	C	A few pieces of clouds around hor.	
1	C	Masses of ∿.i scattered about hor., moving ESE.	
1	C	" "	
0	K	A few pieces of ∿.i around hor.	
1	K	Pieces of ∿.i around hor., moving SE.	
1	K	" "	
4	K	∿.i scattered about, moving SE.	
2	K	" "	
2	B	" "	
6	B	∿.i scattered throughout.	
6	B	∿.i scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 83°9.
4	C	∿i scattered about, moving SE.	
3	C	∿i scattered about, moving SSE.	
3	C	" "	
5	C	" "	
5	K	" "	
4	K	" "	
3	K	" "	
2	B	∿i scattered about hor.	
2	B	"	
0	B	Pieces of ∿i here and there observed; ⌐i above S hor.	
0	B	A few pieces of ∿i in W and NE hor., ⌐i scattered in E hem.	
0	B	A few ⌐i along E hor.	
1	C	Light ⌐i scattered here and there.	
1	C	"	
1	C	∿i and ⌐i around hor., former moving SE.	
3	C	Light ∿i scattered about, moving SE.	
0	K	A few pieces of ∿i along E hor.	
0	K	Pieces of ∿i around hor.	
0	K	"	
3	K	∿i scattered about, moving SE.	
7	K	Dense ∿i scattered throughout.	
7	B	"	
2	B	∿i scattered about hor., moving SE.	
2	B	∿i scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 84°0.
2	C	∿i scattered about, moving SSE.	
7	C	Densely clouded with ∿i.	
3	C	∿i scattered about, moving SSE.	
4	C	∿i scattered about, moving SE.	
2	K	∿i scattered about hor.	
1	K	"	
1	K	"	
1	B	"	
1	B	"	
1	B	"	
2	B	"	
0	B	Patches of ∿i scattered here and there.	
0	C	A few clouds in E hor.	
0	C	A few pieces of clouds in E and SE hor.	
0	C	A few pieces of clouds in SE hor.	
0	C	Clear.	
0	K	A few pieces of clouds around hor.	
1	K	∿i scattered around hor., moving SE.	
4	K	∿i scattered about, moving SE.	
2	K	" "	
2	K	" "	
3	B	" "	
4	B	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 20th-Midnight	29.731	28.810	82°3	78°7	3°6	77°4	0.86	82°4	84°4	NW	0.2					
1 a. m.	.725	.809	82·0	78.3	3.5	77.2	.86	82.1	84.3	„	0.2					
2 „	.714	.817	81·8	78.0	3.8	76.5	.85	82.0	84.1	„	0.2					
3 „	.710	.811	81.6	78.0	3.6	76.6	.86	82.0	84.0	„	0.1					
4 „	.712	.810	81.4	78.0	3.4	76.7	.87	81.9	83.8	NW b N	0.0					
5 „	.726	.820	81.0	78.0	3.0	76.8	.88	81.5	83.8	„	0.0					
6 „	.741	.819	81.0	78.4	2.6	77.4	.89	81.4	83.7	NW	0.0					
7 „	.750	.829	84.2	79.2	5.0	77.4	.81	83.8	83.7	SW b W	0.0					
8 „	.777	.840	86.6	80.2	6.4	77.9	.76	85.5	84.3	WSW	0.0					
9 „	.789	.865	87.0	80.0	7.0	77.5	.74	85.5	84.4	W b S	0.2					
10 „	.772	.844	88.6	80.5	8.1	77.6	.71	86.9	84.5	„	0.1					
11 „	.766	.852	89.9	80.5	9.4	77.1	.67	87.5	84.8	SW b W	0.1	None.	None.	None.	None.	None.
Noon.	.757	.838	90.3	80.6	9.7	77.1	.66	88.2	85.1	WNW	0.1					
1 p. m.	.733	.816	91.6	81.0	10.6	77.2	.64	89.2	85.4	W b N	0.1					
2 „	.709	.799	92.3	81.0	11.3	77.0	.62	89.8	85.6	„	0.2					
3 „	.691	.778	92.0	81.0	11.0	77.1	.63	89.9	86.0	WNW	0.2					
4 „	.675	.759	91.0	80.8	10.2	77.2	.65	89.0	86.0	„	0.2					
5 „	.668	.742	88.0	80.3	7.7	77.5	.72	87.0	86.0	„	0.4					
6 „	.682	.783	86.2	79.2	7.0	76.6	.74	86.0	85.8	„	0.3					
7 „	.698	.813	84.4	78.4	6.0	76.1	.77	84.2	85.5	„	0.2					
8 „	.722	.797	83.8	79.2	4.6	77.5	.82	83.8	85.3	„	0.3					
9 „	.726	.820	83.7	78.7	5.0	76.8	.81	83.8	85.1	„	0.0					
10 „	.744	.830	83.3	78.8	4.5	77.1	.82	83.5	85.0	W	0.0					
11 „	.737	.833	83.1	78.5	4.6	76.8	.82	83.2	84.8	W b S	0.0					
May 21st-Midnight	.715	.806	82·7	78.5	4.2	76.9	.83	83.0	84.7	W	0.0					
1 a. m.	.721	.806	82.5	78.6	3.9	77.2	.85	83.0	84.5	W b S	0.1					
2 „	.711	.816	82.0	78.0	4.0	76.5	.84	82.6	84.2	W b N	0.0					
3 „	.704	.807	81.8	78.0	3.8	76.5	.85	82.5	84.0	W b S	0.0					
4 „	.709	.839	81.4	77.2	4.2	75.6	.83	82.0	84.0	„	0.0					
5 „	.721	.849	81.2	77.2	4.0	75.6	.84	81.6	84.0	WSW	0.0					
6 „	.750	.850	81.5	78.0	3.5	76.6	.86	82.1	83.9	„	0.0					
7 „	.767	.884	85.0	78.5	6.5	76.0	.75	84.5	84.2	SW	0.0					
8 „	.786	.914	87.2	78.8	8.4	75.6	.70	85.8	84.5	SW b S	0.0					
9 „	.792	.887	88.7	80.0	8.7	76.8	.69	87.0	84.8	S b W	0.1					
10 „	.793	.891	89.7	80.2	9.5	76.7	.67	87.7	85.0	WSW	0.1					
11 „	.785	.875	91.1	80.7	10.4	77.0	.64	88.4	85.3	„	0.1	None.	None.	None.	None.	None.
Noon.	.770	.879	91.7	80.4	11.3	76.3	.62	89.0	85.5	W	0.2					
1 p. m.	.740	.848	92.3	80.6	11.7	76.3	.61	89.8	85.7	„	0.1					
2 „	.711	.811	92.4	80.8	11.6	76.3	.61	89.9	86.0	„	0.2					
3 „	.705	.790	92.2	81.1	11.1	77.2	.63	90.0	86.1	„	0.2					
4 „	.695	.808	91.2	80.2	11.0	76.2	.63	89.2	86.3	„	0.3					
5 „	.702	.812	89.4	79.8	9.6	76.3	.66	87.8	86.3	„	0.3					
6 „	.720	.845	87.6	79.0	8.6	75.8	.69	87.5	86.0	WNW	0.2					
7 „	.725	.863	85.0	78.0	7.0	75.3	.74	85.0	85.8	„	0.2					
8 „	.752	.863	84.5	78.5	6.0	76.3	.77	84.5	85.7	„	0.2					
9 „	.764	.889	83.8	78.0	5.8	75.8	.78	84.0	85.5	„	0.2					
10 „	.765	.915	83.2	77.2	6.0	74.8	.77	83.4	85.3	„	0·2					
11 „	.760	.916	83.0	77.0	6.0	74.6	.77	83.0	85.1	„	0.2					
May 23rd-Midnight	.780	.947	82.4	76.4	6.0	74.2	.77	82.6	84.5	W b N	0.1					
1 a. m.	.758	.936	81.8	76.1	5.7	73.8	.78	82.4	84.2	W	0.0					
2 „	.759	.940	81.7	76.0	5.7	73.7	.78	82.0	84.0	NW	0.0					
3 „	.767	.949	81.8	76.0	5.8	73.6	.78	82.0	83.9	WNW	0.0					
4 „	.773	.964	81.2	75.6	5.6	73.3	.78	81.7	83.7	NW b W	0.0					
5 „	.791	.982	81.2	75.6	5.6	73.3	.78	81.2	83.7	„	0.2	None.	None.	None.	None.	None.
6 „	.811	.997	80.8	75.6	5.2	73.5	.79	81.2	83.6	„	0.0					
7 „	.824	29.030	84.0	76.0	8.0	72.8	.70	83.5	83.8	„	0.0					
8 „	.824	.011	86.9	77.3	9.6	73.5	.66	85.4	84.0	SW	0.0					
9 „	.823	.011	87.4	77.4	10.0	73.4	.64	85.9	84.2	W b S	0.1					
10 „	.818	28.998	88.8	78.0	10.8	73.7	.62	86.9	84.5	SW b W	0.1					
11 „	.808	.979	89.5	78.4	11.1	74.1	.62	87.4	84.7	W	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ≤_ cirro-strati; ⌒_ cumulo-strati; and ≤⌒ nimbi.	
2	B	≤≤ scattered about hor., moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°2.
4	C	" "	
4	C	" "	
3	C	≤≤ and ≤ scattered about.	
3	C	"	
3	K	≤≤ scattered about hor., moving SE.	
3	K	⌒ around hor.; ≤≤ scattered about, moving SE.	
2	B	⌒ around hor.; ≤≤ scattered about.	
3	K	⌒ in NE hor.; ≤ scattered about, moving SE.	
3	K	≤≤ scattered about, moving SE.	
1	B	⌒ around hor.	
2	B	⌒ and ≤≤ around hor., latter moving ESE.	
1	B	" "	
1	C	Clouded as before.	
1	C	≤≤ scattered about hor., moving ESE; ≤ above E hor.	
1	C	" " "	
2	C	⌒ and ≤≤ around hor., moving ENE; ≤ above E hor. and in W.	
0	K	A few clouds in E hor.	
2	K	⌒ and ≤≤ around hor.; ≤ above W hor.	
3	K	⌒ around hor.; ≤≤ scattered about hor., moving SE; lightning in SE every 10s.	
3	K	≤≤ scattered about hor.; continuous lightning in ESE hor.	
2	B	≤≤ scattered about hor.; lightning in SE hor. every 9s.	
2	B	≤≤ around hor.; ≤ above E hor.	
2	B	≤≤ scattered around hor., moving ENE.	
2	B	≤≤ scattered about hor., moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°2.
5	C	≤≤ scattered about, moving ENE.	
5	C	" "	
4	C	" "	
3	C	≤≤ scattered about hor.; ≤ in S; a lunar-halo.	
3	K	≤≤ and ≤ scattered about, moving SE.	
3	K	≤≤ scattered about hor.; ≤ in W.	
3	K	≤≤ scattered about, moving SE.	
3	K	" "	
3	B	≤≤ scattered about, moving N.	
2	B	≤≤ scattered about hor., moving NNE; ≤ above E hor.	
1	B	≤≤ and ≤ scattered about hor.	
1	B	≤≤ along E hor.; ≤ scattered here and there.	
1	C	" "	
1	C	≤≤ along E hor.; ≤ above W hor.	
1	C	≤≤ along E hor.; ≤ above N hor.	
1	C	≤≤ along E hor.	
0	K	"	
0	K	"	
3	K	≤≤ scattered about, moving E.	
3	K	" "	
2	K	≤≤ scattered about hor.	
1	K	≤≤ above W and N hor.	
3	K	≤≤ scattered about, moving E.	
4	B	≤≤ scattered about, moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 84°5.
5	C	" "	
4	C	" "	
3	C	≤≤ scattered about hor.; ≤ in SE and S.	
3	C	≤≤ scattered about hor., moving ESE.	
4	K	≤≤ scattered about hor.; ≤ about 2th., moving NE.	
3	K	≤≤ and ≤ scattered about hor., moving NE.	
3	K	" "	
2	B	" "	
1	B	Patches of ≤≤ around hor.; a few ≤ above E hor.	
0	B	Patches of ≤≤ around hor.; ≤ above E and W hor.	
5	B	≤≤ in N and W above hor.; ≤ scattered here and there.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 23rd–Noon.	29.797	28.956	90°7	79°0	11°7	74°5	0.60	88°7	85°0	WNW	0.2					
1 p. m.	.789	.923	91.6	79.8	11.8	75.4	.60	89.4	85.4	W b N	0.2					
2 „	.771	.893	91.3	80.0	11.3	75.9	.62	89.0	85.5	„	0·1					
3 „	.763	.891	91.8	80.0	11.8	75.6	.60	89.6	85.7	„	0.2					
4 „	.761	.880	91.0	80.0	11.0	76.0	.62	88.8	86.0	„	0.2	None.	None.	None.	None.	None.
5 „	.766	.856	88.5	80.0	8.5	76.9	.70	87.6	86.0	„	0.1					
6 „	.765	.883	87.0	79.0	8.0	76.0	.71	86.5	85.8	W	0.1					
7 „	.776	.869	84.7	79.0	5.7	76.9	.78	85.0	85.6	„	0.1					
8 „	.788	.916	84.1	78.0	6.1	75.6	.77	84.2	85.2	„	0.1					
9 „	.798	.922	83.8	78.0	5.8	75.8	.78	84.0	85.1	„	0.0					
10 „	.798	.944	83.4	77.4	6.0	75.1	.77	83.5	85.0	„	0.1					
11 „	.792	.930	83.2	77.5	5.7	75.3	.78	83.3	84.9	„	0.1					
May 25th-Midnight	.771	.913	82.5	77.2	5.3	75.1	.79	82.7	84.7	NW b W	0.0					
1 a. m.	.763	.910	82.2	77.0	5.2	75.0	.80	82.5	84.5	„	0.0					
2 „	.763	.901	81.4	77.0	4.4	75.3	.82	82.0	84.1	„	0.0					
3 „	.753	.894	81.6	77.0	4.6	75.2	.81	82.2	83.9	SW b W	0.0					
4 „	.754	.908	80.7	76.4	4.3	74.7	.83	81.5	83.9	„	0.0					
5 „	.763	.868	82.0	78.0	4.0	76.5	.84	82.2	83.9	„	0.0					
6 „	.778	.917	82.2	77.2	5.0	75.2	.80	82.5	84.0	SW	0.0					
7 „	.797	.931	85.4	78.2	7.2	75.4	.73	84.5	84.2	W	0.0					
8 „	.809	.963	87.2	78.2	9.0	74.7	.67	86.2	84.3	WSW	0.1					
9 „	.816	.952	88.6	79.0	9.6	75.4	.66	86.9	84.7	WNW	0.1					
10 „	.812	.946	89.2	79.2	10.0	75.4	.65	87.5	84.9	NW b W	0.1					
11 „	.809	.920	90.3	80.0	10.3	76.6	.64	88.0	85.1	„	0.1	None.	None.	None.	None.	None.
Noon.	.795	.908	91.3	80.2	11.1	76.2	.62	89.0	85.5	NW	0.1					
1 p. m.	.770	.917	91.6	79.5	12.1	75.0	.60	89.2	85.7	WNW	0.1					
2 „	.768	.880	92.0	80.2	11.8	75.9	.60	89.9	86.0	„	0.2					
3 „	.746	.829	91.6	81.0	10.6	77.2	.64	89.7	86.1	„	0·2					
4 „	.729	.828	90.8	80.4	10.4	76.7	.64	89.0	86.2	„	0.3					
5 „	.732	.817	89.4	80.4	9.0	77.2	.68	88.2	86.3	W b N	0.2					
6 „	.735	.847	87.2	79.2	8.0	76.2	.71	87.0	86.2	„	0.3					
7 „	.743	.862	85.2	78.5	6.7	76.0	.75	85.0	85.8	WNW	0.3					
8 „	.762	.883	84.6	78.3	6·3	75.9	.76	84.6	85.6	„	0.3					
9 „	.773	.871	84.4	78.8	5.6	76.7	.78	84.2	85.5	W b N	0.3					
10 „	.778	.905	84.0	78.0	6.0	75.7	.77	84.0	85.3	„	0.2					
11 „	.787	.913	83.6	78.0	5.6	75.7	.78	83.6	85.2	WNW	0.2					
May 26th-Midnight	.775	.883	83.3	78.3	5.0	76.4	.80	83.5	85.1	NW b W	0.3					
1 a. m.	.767	.883	83.0	78.0	5.0	76.1	.80	83.4	84.8	„	0.3					
2 „	.759	.875	83.0	78.0	5.0	76.1	.80	83.0	84.7	NW b N	0.3					
3 „	.741	.853	82.6	78.0	4.6	76.2	.82	83.0	84.5	„	0.2					
4 „	.749	.880	82.2	77.4	4.8	75.5	.81	82.6	84.3	„	0.3					
5 „	.758	.873	82.2	77.8	4.4	76.1	.83	82.5	84.3	„	0.3					
6 „	.772	.894	82.8	77.8	5.0	75.9	.80	83.0	84.4	„	0·2					
7 „	.771	.877	84.0	78.5	5.5	76.4	.79	84.0	84.5	NW	0·2					
8 „	.782	.908	85.4	78.4	7.0	75.7	.74	85.0	84.6	„	0.1					
9 „	.789	.918	88.2	79.4	8.8	75.6	.68	86.8	84.9	„	0.3					
10 „	.788	.886	89.0	80.0	9.0	76.7	.68	87.5	85.3	NNW	0.2					
11 „	.771	.880	90.1	80.0	10.1	76.3	.65	88.4	85.5	NW b N	0·3	None.	None.	None.	None.	None.
Noon.	.759	.857	90.3	80.3	10.0	76.7	.65	88.5	85.6	„	0.3					
1 p. m.	.728	.810	90.8	80.8	10.0	77.3	.66	89.0	86.0	NW b W	0.3					
2 „	.713	.791	91.2	81.0	10.2	77.4	.65	89.2	86.2	WNW	0.6					
3 „	.691	.761	90.4	81.0	9.4	77.7	.67	88.8	86.2	„	0.6					
4 „	.683	.745	89.6	81.0	8.6	77.9	.70	88.8	80.3	„	0.6					
5 „	.685	.739	87.7	80.7	7.0	78.2	.74	86.7	86.3	„	0.8					
6 „	.690	.734	86.0	80.5	5.5	78.5	.79	86.0	86.2	NW	0.6					
7 „	.692	.750	84.2	79.7	4.5	78.1	.82	84.2	85.9	„	0.6					
8 „	.710	.751	83.8	80.0	3.8	78.6	.85	83.8	85.6	„	0.4					
9 „	.723	.762	83.6	80.0	3.6	78.7	.86	83.8	85.5	„	0.4					
10 „	.727	.773	83.5	79.8	3.7	78.5	.86	83.5	85.3	NW b N	0.6					
11 „	.730	.781	83.2	79.6	3.6	78.3	.86	83.4	85.2	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
6	B	≀≀ in N and W above hor.; ≀ scattered here and there.	
6	C	Light ≀ scattered throughout.	
4	C	Light ≀ scattered about.	
3	C	"	
3	C	"	
4	B	"	
5	B	≀≀ and ≀ scattered about, former moving E.	
6	B	≀≀ scattered about, moving E.	
2	B	≀≀ scattered about hor.	
2	B	"	
2	B	"	
2	B	"	
2	B	≀≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°5.
4	C	≀≀ scattered about, moving E.	
3	C	≀≀ scattered about, moving ESE.	
2	C	≀≀ scattered about hor., moving E.	
2	C	≀≀ scattered about hor., moving ENE.	
5	K	≀≀ scattered about, moving E.	
3	K	" "	
3	K	" "	
2	B	≀≀ around hor.; ≀ above E and W hor.	
2	B	≀≀ scattered around hor.; ≀ above SW hor.	
2	B	" "	
2	B	≀≀ around hor., moving ENE; ≀ along S hor.	
1	B	≀≀ and ≀ scattered around hor.	
2	C	≀ scattered about hor.; ≀≀ in E hor.	
2	C	≀ scattered about hor.; ≀≀ in W hor.	
2	C	" "	
2	C	≀≀ scattered about hor., moving E.	
2	K	≀≀ scattered about, moving E.	
2	K	" "	
3	K	" "	
2	K	" "	
2	K	" "	
2	B	" "	
2	B	" "	
1	B	Patches of ≀≀ scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°5.
2	C	Patches of ≀≀ scattered about hor., moving SE.	
1	C	Patches of ≀≀ scattered about hor., moving ESE.	
1	C	Patches of ≀≀ scattered here and there, moving ESE.	
1	C	" " "	
2	K	≀≀ scattered about hor., moving ESE.	
2	K	Patches of ≀≀ scattered here and there, moving ESE.	
5	K	≀≀ scattered about, moving SE.	
2	B	≀≀ scattered about hor., moving SSE.	
2	B	≀≀ scattered around hor., moving SSE.	
2	B	" "	
1	B	" "	
0	B	A few pieces of ≀≀ in W and N hor.	
0	C	A few pieces of clouds in E hor.	
0	C	"	
0	C	"	
0	C	Clear.	
0	K	A few pieces of clouds in hor.	
1	K	Pieces of ≀≀ around hor., moving SE.	
0	K	A few pieces of clouds in hor.	
0	K	"	
0	K	≀≀ scattered about hor., moving SE.	
0	B	≀≀ scattered here and there.	
2	B	≀≀ scattered about hor., moving SE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newmann's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 27th-Midnight	29.716	28.790	83°0	79°0	4°0	77°5	0.84	83°1	85°0	NNW	0.6					
1 a. m.	.717	.787	82.6	79.0	3.6	77.7	.86	83.0	84.8	„	0·2					
2 „	.715	.797	82.4	78.7	3.7	77.3	.85	82.9	84.8	„	0·1					
3 „	.720	.817	82.4	78.3	4.1	76.7	.84	82.6	84.6	N	0.1					
4 „	.730	.797	82.0	78.9	3.1	77.8	.87	82.5	84.4	„	0.0					
5 „	.755	.827	81.7	78.7	3.0	77.6	.88	82.0	84.4	„	0.0					
6 „	.777	.827	82.8	79.5	3.3	78.3	.87	83.2	84.5	SE	0.2					
7 „	.785	.850	86.0	80.0	6.0	77.8	.77	85.5	84.8	„	0.2					
8 „	.799	.866	86.9	80.2	6.7	77.8	.75	86.8	85.0	SE b S	0.1					
9 „	.810	.851	88.9	81.3	7.6	78.6	.73	87.5	85.3	SSE	0·1					
10 „	.807	.877	90.4	81.0	9.4	77.7	.67	88.2	85.5	W b N	0.1					
11 „	.798	.831	91.0	82.0	9.0	78.7	.69	89.0	85.8	WNW	0.1					
Noon.	.773	.835	91.8	81.5	10.3	77.9	.65	89.5	86.0	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.744	.787	92.0	82.0	10.0	78.6	.66	90.0	86.1	„	0·3					
2 „	.719	.784	91.1	81.3	9.8	77.8	.66	89.3	86.5	„	0·6					
3 „	.693	.730	91.0	81.9	9.1	78.8	.68	89.3	86.6	„	0·5					
4 „	.677	.728	90.2	81.4	8.8	78.3	.69	88.6	86.7	„	0·5					
5 „	.704	.772	88.2	80.5	7.7	77.7	.72	87.2	86.6	NW	0·3					
6 „	.749	.812	87.4	80.4	7.0	77.9	.74	87.0	86.5	„	0·2					
7 „	.746	.823	85.6	79.6	6.0	77.4	.77	85.6	86.3	NW b N	0·0					
8 „	.762	.839	84.8	79.4	5.4	77.4	.79	84.8	86.0	N b E	0·2					
9 „	.745	.795	84·6	80.0	4.6	78.3	.82	84.6	85.9	NNW	0·3					
10 „	.746	.792	84.3	80.0	4.3	78.5	.83	84.4	85.7	„	0.3					
11 „	.729	.774	84.2	80.0	4.2	78.5	.84	84.2	85.7	„	0.2					
May 28th-Midnight	.713	.754	83.8	80.0	3·8	78.6	.85	83.9	85.6	N b W	0.5					
1 a. m.	.695	.735	83.7	80.0	3.7	78.6	.85	84.0	85.3	„	0.3					
2 „	.685	.725	83.7	80.0	3.7	78.6	.85	84.0	85.2	„	0.2					
3 „	.695	.725	83.6	80.2	3.4	79.0	.87	83.7	85.2	„	0.3					
4 „	.707	.735	83.4	80.2	3.2	79.1	.87	83.6	85.2	„	0.4					
5 „	.718	.740	83.3	80.3	3.0	79.3	.88	83.6	85.1	NNW	0.2					
6 „	.743	.764	83.6	80.4	3.2	79.3	.87	83.8	85.0	„	0.2					
7 „	.764	.786	86.0	81.0	5.0	79.3	.81	85.8	85.1	„	0.2					
8 „	.780	.813	87.0	81.0	6.0	78.9	.78	86.3	85.5	NW	0.2					
9 „	.796	.849	88.8	81.0	7.8	78.2	.72	87·4	85.7	„	0.2					
10 „	.800	.835	89.6	81.6	8.0	78.8	.72	87.6	85.8	„	0·2					
11 „	.799	.834	91.2	82.0	9·2	78.8	.68	89.5	86.0	WNW	0·2	None.	None.	None.	None.	None.
Noon.	.799	.842	92.0	82.0	10.0	78.6	.66	89.9	86.3	W b N	0.1					
1 p. m.	.776	.815	90.0	81.6	8.4	78.7	.70	89.0	86.3	W b S.	0.1					
2 „	.740	.755	91.4	82.5	8.9	79.5	.69	90.0	86.6	„	0·1					
3 „	.715	.739	92.2	82.5	9.7	79.2	.67	90.2	86.9	W b N	0.6					
4 „	.717	.716	92.0	83.0	9.0	80.0	.69	90.4	87.0	„	0.3					
5 „	.734	.751	89.5	82.0	7.5	79.4	.73	88.5	87.0	SW b W	0.1					
6 „	.761	.819	87.3	80.5	6.8	78.1	.75	87.0	86.6	SW	0·1					
7 „	.789	.811	86.0	81.0	5.0	79.3	.81	86.0	86.5	SW b S	0·1					
8 „	.765	.819	85.0	80.0	5.0	78.2	.81	85.3	86.3	SSW	0·1					
9 „	.763	.796	85.0	80.5	4.5	78.9	.83	85.0	86.2	„	0·3					
10 „	.752	.782	84.8	80.5	4.3	78.5	.83	84.8	86.1	SW b S	0.3					
11 „	.739	.746	84.6	81.0	3.6	78.5	.86	84.8	86.0	SW	0·3					
May 29th-Midnight	.731	.770	84.4	80.2	4.2	78.7	.84	84.6	85.8	SW b W	0.0					
1 a. m.	.717	.719	84.2	81.0	3.2	79.9	.87	84.6	85.6	SW	0.0					
2 „	.715	.715	84.0	81.0	3.0	80.0	.88	84.5	85.5	„	0·0					
3 „	.712	.727	83.8	80.6	3.2	79.5	.87	84.2	85.4	„	0.0					
4 „	.720	.748	83.8	80.3	3.5	79.1	.86	84.2	85.3	W	0.0					
5 „	.730	.777	83.6	79.8	3.8	78.4	.85	84.0	85.4	„	0.0	None.	None.	None.	None.	None.
6 „	.758	.788	84.0	80.3	3.7	79.0	.85	84.3	85.4	W b N	0.2					
7 „	.785	.842	86.0	80.2	5.8	78.1	.78	85.6	85.5	„	0.0					
8 „	.792	.847	87.0	80.5	6.5	78.2	.76	86.5	85.6	W	0·2					
9 „	.795	.850	89.0	81.0	8.0	78.2	.71	87.5	86.0	W b S	0·2					
10 „	.783	.847	90.2	81.1	9.1	77.9	.68	88.4	86.1	„	0.0					
11 „	.759	.800	90.9	81.8	9.1	78.6	.68	89.0	86.3	WNW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌐⌣i nimbi.	
0	B	Pieces of ⌐⌐i, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°5.
4	C	⌐⌐i scattered about, moving SE.	
3	C	" "	
4	C	" "	
7	C	" "	
4	K	" "	
5	K	" "	
4	K	" "	
3	B	⌐⌐i scattered about hor.	
2	B	"	
1	B	"	
0	B	Patches of ⌐⌐i above SE, N, and W hor.	
0	B	Patches of ⌐⌐i above SE and W hor.	
0	C	⌒i scattered along E hor.	
1	C	⌒i and ⌐⌐i along E hor.	
1	C	"	
2	C	Electrical ⌒i along E hor.	
3	K	Electrical ⌒i along E hor., ⌐i scattered about, moving SE.	
4	K	⌒i along E hor.; ⌐i scattered about, moving SE.	
7	K	⌐i scattered throughout, moving SE; continuous lightning in NE hor.	
8	K	⌐i scattered throughout; lightning in ENE hor. at intervals of 5m. 28s.	
8	K	Overcast with ⌐i, moving SE.	
2	B	⌐i scattered about hor.	
2	B	"	
1	B	⌐⌐i scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°6.
7	C	⌐⌐i and ⌐i scattered throughout, moving ESE.	
8	C	Overcast with dense ⌐⌐i, moving ESE.	
8	K	" "	
8	K	" "	
8	B	Overcast with dense ⌐⌐i, moving SE; breaks in SE and E.	
3	B	⌐⌐i scattered about, moving SE.	
6	C	" "	
5	C	⌐⌐i scattered throughout, moving SE.	
5	K	⌐⌐i and ⌐i scattered about, both moving SE.	
6	K	⌐⌐i scattered throughout, moving N.	
5	B	⌐⌐i scattered about.	
6	B	"	
7	C	⌐⌐i scattered about, moving ESE.	
4	C	" "	
3	K	⌒i in NE hor.; ⌐⌐i scattered about hor., moving SE.	
2	K	⌒i in NE hor.; ⌐⌐i scattered around hor., moving SE.	
7	B	⌒i along E hor.; ⌐⌐i scattered throughout, moving ENE.	
8	B	Overcast with ⌐⌐i and light ⌐⌣i, both moving ENE; lightning in NE observed after 6h. 47m.	
7	C	Densely clouded with ⌐⌐i and light ⌐⌣i; lightning in E at intervals of more than 10m.	
8	C	Overcast; lightning in E hor.	
8	K	Overcast; no lightning visible.	
6	K	⌐⌣i and ⌐i scattered throughout, former moving ESE.	
3	B	⌐⌣i scattered about, moving ENE.	
2	B	Light ⌐⌣i scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°7.
8	C	Overcast with light ⌐⌣i, moving ENE; a few stars dimly visible.	
8	C	Overcast with light ⌐⌣i, moving ENE.	
6	C	⌐⌣i scattered about, moving ENE	
6	C	" "	
7	K	⌐⌣i and ⌐⌐i scattered throughout, both moving WSW.	
8	K	Overcast with ⌐⌣i and ⌐⌐i.	
7	K	Densely clouded with ⌐⌣i and ⌐⌐i, former moving SW, latter NE.	
3	K	⌐⌐i scattered about hor, moving ENE.	
4	C	⌐⌣i around hor.; ⌐⌐i scattered throughout, moving ENE.	
5	C	Clouded as before.	
5	C	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in regovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 29th-Noon.	29.742	28.779	91°4	82°0	9°4	78°8	0.67	89°7	86°5	NW	0.2					
1 p. m.	.714	.789	90.8	81.0	9.8	77.5	.66	89.0	86.7	„	0.2					
2 „	.685	.728	92.0	82.0	10.0	78.6	.66	90.0	86.8	„	0·1					
3 „	.669	.712	92.0	82.0	10.0	78.6	.66	90.2	87.0	„	0.1					
4 „	.659	.711	90.8	81.5	9.3	78.3	.68	89.2	87.1	WNW	0.4					
5 „	.651	.713	88.9	80.8	8.1	77.9	.71	88.0	87.0	„	0.2	None.	None.	None.	None.	None,
6 „	.666	.742	87.4	80.1	7.3	77.5	.73	86.9	86.9	„	0.2					
7 „	.699	.744	85.8	80.4	5.4	78.5	.80	86.0	86.5	W b N	0.0					
8 „	.717	.757	85.3	80.4	4.9	78.7	.81	85.5	86.4	WSW	0.0					
9 „	.730	.782	84.8	80.0	4.8	78.3	.81	85.2	86.0	„	0.0					
10 „	.736	.786	84.6	80.0	4.6	78.3	.82	85.0	86.0	SW	0.0					
11 „	.718	.748	84.4	80.4	4.0	79.0	.84	84.7	85.9	„	0.0					
May 31st-Midnight	.675	.789	83.6	78.2	5.4	76.1	.79	84.2	86.3	S	0.2					
1 a. m.	.652	.752	83.5	78.5	5.0	76.6	.81	84.0	86.0	„	0.0					
2 „	.635	.663	84.6	80.5	4.1	77.1	.84	84.8	86.0	WSW	0.0		+	2		1.13
3 „	.635	.820	83.1	76.3	6.8	73.5	.74	83.3	85.7	S	0.2					
4 „	.634	.835	82.5	75.7	6.8	73.0	.74	82.9	85.5	S b E	0.0					
5 „	.650	.837	82.6	76.1	6.5	73.5	.75	83.0	85.2	„	0.0					
6 „	.656	.812	83.0	77.0	6.0	74.6	.77	83.4	85.2	„	0.0					
7 „	.671	.779	84.6	78.6	6.0	76.4	.77	84.8	85.2	„	0·1					
8 „	.676	.836	87.0	78.0	9.0	74.5	.67	86.7	85.5	„	0.0					
9 „	.701	.857	87.4	78.2	9.2	74.6	.67	86.8	85.7	„	0.0					
10 „	.703	.822	89.0	79.5	9.5	76.0	.67	88·0	85.9	„	0·2					
11 „	.695	.765	92.5	81.5	11.0	77.7	.63	90.0	86.3	„	0·2	None.	+	2		3.20
Noon.	.669	.709	93.4	82.4	11.0	78.7	.63	91.0	86.7	WNW	0·2		+ +	8	6	2.10
1 p. m.	.639	.658	95.2	83.3	11.9	79.4	.61	92.2	87.1	„	0.2		+	4		3.53
2 „	.610	.615	94.3	83.4	10.9	79.9	.64	92.3	87.3	„	0·3		+	3		Above 10m.
3 „	.599	.573	94.0	84.0	10.0	80.8	.67	92.0	87.5	„	0.4					
4 „	.595	.556	92.8	84.0	8.8	81.2	.70	91.6	87.7	„	0.3					
5 „	.605	.570	91.0	83.5	7.5	81.0	.73	90.0	87.8	W b N	0.2					
6 „	.615	.589	89.0	82.8	6.2	80.8	.77	88.3	87.7	„	0.1					
7 „	.617	.599	87.6	82.3	5.8	80.5	.80	87.5	87.5	W	0.2					
8 „	.646	.635	87.0	82.0	5.0	80.3	.81	87.0	87.3	„	0·1					
9 „	.653	.638	86.6	82.0	4.6	80.4	.83	86.6	87.3	SW	0.2					
10 „	.667	.640	86.4	82.2	4.2	80.8	.84	86.6	87.1	„	0.2					
11 „	.670	.641	86.2	82.2	4.0	80.9	.85	86.2	87.0	SSW	0.2					
June 1st-Midnight	.662	.640	86.0	82.0	4.0	80.6	.85	86.0	86.8	SW	0.2					
1 a. m.	.641	.587	85.9	82.7	3.2	81.6	.88	86.1	86.7	„	0.0					
2 „	.623	.570	85.6	82.6	3.0	81.6	.88	86.1	86.6	„	0.2					
3 „	.621	.592	85.4	82.0	3.4	80.9	.87	85.7	86.6	SW b S	0.2					
4 „	.631	.608	85.1	81.8	3.3	80.7	.87	85.4	86.5	SW	0.2					
5 „	.645	.627	84.8	81.6	3.2	80.5	.87	85.2	86.3	„	0·2					
6 „	.676	.738	83.0	79.3	3.7	77.9	.85	83.7	86.1	SW b S	0·3					
7 „	.690	.699	84.8	81.0	3.8	79.7	.85	85.0	86.1	SSW	0.2					
8 „	.718	.732	86.1	81.2	4.9	79.5	.81	86.3	86.2	S b W	0.2					
9 „	.688	.681	88.2	82.2	6.0	80.2	.78	87.6	86.5	„	0.2		+	6	4	0.30
10 „	.673	.688	89.4	82.0	7.4	79.5	.73	88.0	86.6	SSW	0.2					
11 „	.642	.734	90.5	80.5	10.0	76.9	.66	88.8	86.7	WNW	0.2					
Noon.	.617	.691	92.4	81.4	11.0	77.5	.63	90.0	86.9	NW	0.2	None.				
1 p. m.	.584	.579	93.4	83.4	10.0	80.1	.66	91.2	87.5	WNW	0.2					
2 „	.566	.568	93.2	83.2	10.0	79.9	.66	91.2	87.7	„	0·4					
3 „	.553	.538	92.9	83.5	9.4	80.4	.68	91.3	87.8	W b N	0·5					
4 „	.544	.550	92.6	83.0	9.6	79.8	.67	91.1	88.0	NW b W	0·5					
5 „	.540	.521	90.4	83.0	7.4	80.6	.74	89.5	87.8	WNW	0·5					
6 „	.562	.532	89.4	83.0	6.4	80.9	.77	88.9	87.6	SW b W	0.3					
7 „	.605	.600	87.5	82.0	5.5	80.1	.80	87.5	87.4	S b W	0·5					
8 „	.620	.667	86.3	80.5	5.8	78.4	.78	86.0	87.1	SSW	1 to 1½					
9 „	.625	.634	86.4	81.4	5.0	79.7	.81	86.2	87.2	S	1.0					
10 „	.628	.601	86.4	82.2	4.2	80.8	.84	86.4	87.1	„	1 to 2½					
11 „	.614	.603	86.2	81.8	4.4	80.3	.83	86.2	87.0	„	1 to 1½					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
4	C	Clouded as before.	
4	B	"	
2	B	≀≀ and ≀≀ scattered about hor.	
1	B	∩ along E hor.; ≀≀ around remainder of hor.	
1	B	∩ along E hor.; ≀ scattered about hor.	
1	C	∩, ≀, and ≀≀ around hor.	
2	C	∩ in E hor.; ≀ in E hem.; ≀≀ in E, moving SE; lightning in ENE observed after 6h. 49m.	
3	C	≀ scattered about; continuous lightning in ENE.	
1	C	∩ around hor.; ≀≀ in W, moving E; continuous lightning in ENE.	
2	C	∩ along hor.; ≀≀ in remaining hor.; lightning in SE every 2m.	
1	C	≀≀ in E hem.; lightning in SE hor. at intervals of 2m. 25s.	
0	C	A few pieces of clouds in E hor., otherwise cloudless.	
2	K	≀≀ scattered about hor., moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°8. The height of barometer at 4 P. M. was 29°595 lowest in the month; at 1 P. M. the temperature of air was 95°2 highest in the month, and about 5°7 higher than the normal mean; at 3 P. M. the temperature of evaporation was 84°0 greatest in the month, and 3°1 greater than the normal mean.
2	B	" "	
2	B	" "	
2	B	" "	
1	B	≀≀ scattered around hor.	
5	C	≀≀ and ≀≀ scattered about, both moving NW.	
6	C	≀≀ around hor.; ≀≀ scattered throughout, moving from NW to SE; a few ≀ above W hor.	
7	C	≀≀ and ≀≀ scattered throughout, both moving NW.	
7	C	" "	
8	K	Overcast with ≀≀ and ≀≀, former moving WNW, latter NW.	
7	K	≀≀ and ≀≀ scattered throughout, both moving NW.	
5	K	≀≀ scattered throughout, moving NW.	
2	K	≀≀ scattered about hor., moving SW.	
3	B	∩ along E hor.; ≀≀ and ≀ scattered about, former moving N.	
3	B	Clouded as before.	
3	B	Clouded as before, but the motion of ≀≀ was WNW.	
1	B	∩ along E hor.; ≀≀ around the remaining portion of hor.	
1	C	" "	
5	C	∩ along E hor.; ≀≀ and light ≀≀ scattered about, moving NE.	
5	C	≀≀ and light ≀≀ scattered about, moving ENE; lightning in NE hor. every 15s.	
2	C	Light ≀≀ scattered about hor., moving ENE; lightning in E hor.	
2	K	Light ≀≀ scattered about hor., moving SE; lightning in ESE hor.	
2	K	" "	
2	K	≀≀ scattered about hor., moving SW; continuous lightning in SE hor.	
2	K	≀≀ scattered about, moving SW; continuous lightning in SE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°8.
3	B	≀≀ scattered about, moving N; continuous lightning in SE hor.	
5	B	" " "	
5	B	" " "	
2	B	≀≀ scattered about, moving SW; lightning in SW hor. every 25s.	
6	C	≀≀ scattered about, moving NE; drops of rain between 5h. 32m. and 5h. 54m.	
6	C	≀≀ scattered throughout.	
6	C	≀≀ and ≀ scattered throughout.	
6	C	"	
6	K	≀≀ around hor.; ≀ scattered throughout, moving SW.	
4	K	A few dense clouds in E hor.; ≀ scattered about, moving NW.	
3	K	" " "	
0	K	A few dense clouds in E hor.; ≀ scattered here and there.	
0	L	" "	
1	L	∩ in NE and E hor.; ≀ scattered along E hor.	
4	L	≀≀ in E hem.; ≀ scattered along E hor.	
1	L	≀≀ scattered about hor. from E to W; ≀ lying along E hor.	
1	C	∩ and ≀ along E hor.; masses of ≀≀ above W hor., moving NE	
2	C	" " "	
5	C	≀≀ scattered about, moving NE; lightning in E observed at 7h. 14m.	
2	C	≀≀ scattered around hor.; continuous lightning in E hor.	
4	K	≀≀ scattered about; continuous lightning in E hor.	
7	K	≀≀ scattered throughout; lightning in SE hor.	
3	K	≀≀ around hor. and in SE; continuous lightning in SE hor.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 2nd-Midnight	29.601	28.570	85°2	82°0	3°2	80°9	0.87	85°5	86°8	S	1 to 3½					
1 a. m.	.571	.554	84.5	81.5	3.0	80.5	.88	85.0	86.7	„	0·8					
2 „	.576	.552	84.6	81.7	2.9	80.7	.89	85.0	86.6	S b W	0.7					
3 „	.574	.576	84.2	81.0	3.2	79.9	.87	84.6	86.5	S b E	1.0					
4 „	.576	.601	83.6	80.3	3.3	79.2	.87	84.0	86.3	„	0·1					
5 „	.580	.616	83.4	80.0	3.4	78.8	.86	84.0	86.1	„	0·0					
6 „	.606	.689	83.8	79.0	4.8	77.2	.81	84.0	86.0	„	0.1					
7 „	.609	.701	84.6	79.0	5.6	76.9	.79	85.0	86.0	„	0·2					
8 „	.622	.727	86.9	79.3	7.6	76.5	.72	86.7	86.1	„	0.1					
9 „	.636	.704	90.2	81.0	9.2	77.7	.68	88.8	86.4	„	0.1					
10 „	.637	.707	92.5	81.5	11.0	77.7	.63	90.2	86.7	„	0·2					
11 „	.628	.677	94.2	82.4	11.8	78.4	.61	92.0	87.2	S	0·2					
Noon.	.609	.626	94.6	83.2	11.4	79.4	.63	92.4	87.4	SSW	0.2					
1 p. m.	.593	.603	94.8	83.4	11.4	79.6	.63	92.5	87.9	S b W	0·6					
2 „	.573	.581	94.6	83.4	11.2	79.7	.63	92.4	88.1	„	1·0					
3 „	.556	.553	93.6	83.4	10.2	79.7	.66	91.5	88.3	SSW	1.5					
4 „	.534	.507	93.1	83.8	9.3	80.8	.68	91.3	88.4	„	1·5					
5 „	.535	.561	90.4	82.0	8.4	79.1	.70	89.5	88.2	S b W	1 to 2½					
6 „	.557	.557	88.0	82.0	6.0	80.0	.78	87.6	88.0	„	1 to 3					
7 „	.608	.632	86.2	81.0	5.2	79.2	.80	86.5	87.5	S	1 to 1½					
8 „	.694	.898	79.6	74.8	4.8	72.8	.81	78.0	87.0	SE b S	1 to 1½					
9 „	.686	.831	80.6	76.6	4.0	75.0	.84	81.4	86.7	ENE	1 to 6	0.04	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.682	.749	82.4	79.0	3.4	77.8	.86	82.5	86.3	SSW	1 to 2½		—	Out of Sc.	50	0.12
11 „	.644	.749	82·0	78.0	4.0	76.5	.84	82.0	86.0	S b W	3 to 7		—	Out of Sc.	60	0.04
June 3rd-Midnight	.603	.697	81.0	78.0	3.0	76.8	.88	81.0	85.7	S b W	5 to 10½		+	8	6	2.5
1 a. m.	.594	.613	81.8	80.0	1.8	79.4	.93	81.8	85.5	„	4 to 9½		+	2		Above 10m.
2 „	.581	.622	82.3	79.6	2.7	78.6	.89	82.3	85.4	„	3 to 5½					
3 „	.573	.594	82.0	80.0	2.0	79.3	.92	82.0	85.3	„	4 to 6½					
4 „	.577	.668	81.5	78.2	3.3	76.9	.87	81.5	85.1	SSE	0·5					
5 „	.578	.710	80.8	77.0	3.8	75.5	.85	81.0	84.7	SE b S	0.5					
6 „	.612	.744	81·6	77.2	4.4	75.5	.83	81.8	84.8	S b E	0.6					
7 „	.649	.758	82.4	78.0	4.4	76.3	.83	82.7	84.8	ES	0·7					
8 „	.667	.728	85.4	80.0	5.4	78.1	.79	85.2	85.0	SSE	0.6					
9 „	.680	.725	87.4	80.8	6.6	78.5	.76	87.2	85·4	S b E	1 to 1½					
10 „	.684	.739	89.0	81.0	8.0	78.2	.71	88.5	85.7	„	1 to 2½		+	4		3.10
11 „	.685	.696	89.0	82.0	7.0	79.6	.75	88.5	86.0	„	2 to 3½		+	12		1.12
Noon.	.683	.749	90.0	81.0	9.0	77.8	.68	89.0	86.4	„	1 to 3¼		+	2		3.05
1 p. m.	.657	.634	90.0	83.0	7.0	80.7	.75	89.3	86.6	S b W	0.0					
2 „	.647	.682	89.2	81.5	7.7	78.8	.72	88.9	86.7	SSW	1 to 1½					
3 „	.632	.643	89.0	82.0	7.0	79.6	.75	88.6	86.8	S b W	2 to 3					
4 „	.632	.633	88.1	92.0	6.1	79.9	.78	88.0	86.7	SSW	1 to 2					
5 „	.643	.657	87.2	81.5	5.7	79.5	.79	87.0	86.7	„	1 to 2½					
6 „	.658	.707	86.5	80.5	6.0	78.4	.78	86.5	86.7	„	1 to 3¼					
7 „	.672	.709	85.4	80.5	4.9	78.8	.81	85.6	86.5	„	1 to 2					
8 „	.691	.700	84.8	81.0	3.8	79.7	.85	85.0	86.4	S b W	1 to 2½					
9 „	.710	.764	85.0	80.0	5.0	78.2	.81	85.0	86.3	SSW	0.0					
10 „	.720	.700	84.2	81.5	2.7	80.6	.89	84.4	86.1	S b W	1.0					
11 „	.705	.705	84.0	81.0	3.0	80.0	.88	84.0	86.0	„	1.0					
June 4th-Midnight	.682	.701	83.4	80.4	3.0	79.3	.88	83.6	85.8	S	1·5					
1 a. m.	.662	.686	83.5	80.3	3.2	79.2	.87	83.7	85.6	S b W	1.2					
2 „	.637	.685	83.0	79.6	3.4	78.4	.86	83.2	85.6	S	1.8					
3 „	.632	.702	82.6	79.0	3.6	77.7	.86	82.9	85.4	„	1.6					
4 „	.644	.711	82.4	79.0	3.4	77.8	.86	82.7	85.2	S b E	0·8					
5 „	.662	.767	82.0	78.0	4.0	76.5	.84	82.1	84.8	„	0.6					
6 „	.680	.786	82.1	78.0	4.1	76.4	.84	82.2	85.0	„	0.3					
7 „	.698	.804	83.6	78.4	5.2	76.4	.80	83.6	85.0	S	0.2					
8 „	.710	.781	86.5	80.0	6.5	77.6	.76	86.4	85.1	SSE	0·2					
9 „	.708	.761	88.8	81.0	7.8	78.7	.72	88.0	85.5	S	0.3					
10 „	.714	.752	89.0	81.4	7.6	78.7	.73	88.4	85.9	SSW	0.2					
11 „	.688	.671	92.2	83.4	8.8	80.5	.70	90.5	86.4	„	0.5					

Less than one cent.

None. None. None. None. None.

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ∩ cumuli; ≀ cirro-strati; ∩ cumulo-strati; and ≀ nimbi.	
2	K	≀ scattered about, moving NW; lightning in E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 84°9. Daily fall of rain by Osler's gauge 0.04in.; maximum tension of electricity by Henly's apparatus 13.0; maximum length of spark by Ronald's measure 0.14in.; at 1 P. M. the temperature of air was 9°48 greatest during the month, and 5°5 greater than the normal mean; at 8 P. M. the temperature of evaporation was 74°8 lowest in the month, and 4°2 lower than the normal mean.
2	B	≀ scattered about; lightning in S hor. every 17s.	
3	B	≀ scattered around hor.	
7	B	≀ scattered throughout, moving N; rain at 3h. 18m. which lasted 7m.	
2	B	≀ scattered around hor.	
3	C	≀ around hor.; ≀ and ≀ scattered about.	
5	C	" "	
7	C	≀ around hor.; ≀ scattered throughout.	
6	C	" "	
3	K	≀ around hor.; dense ≀ scattered about, moving NE.	
2	K	≀ scattered around hor., moving NE.	
2	K	" "	
2	K	" "	
1	L	≀ scattered around hor.	
1	L	∩ and ≀ around hor.	
1	L	"	
1	L	∩ and ≀ along E hor.; ≀ in remainder of hor.	
4	C	∩ along E hor.; ≀ in zth.; ≀ scattered about, moving NE.	
6	C	∩ along E hor.; ≀ in zth.; ≀ scattered about hor., moving NNE.	
8	C	Overcast with ≀, moving NNE; continuous lightning along E hor.; light rain at 7h. 40m. which lasted 4m.	
8	C	Overcast with ≀, moving N; lightning and thunder along E hor.; light rain commenced at 8h. 12m.	
8	K	Overcast with ≀, moving NW; lightning in NW and W; thunder in WNW; rain ceased at 9h. 20m.	
8	K	Overcast; lightning in E, SE, and S every ½m.; thunder in W at intervals of 1m. 27s; passing drops of rain falling.	
8	K	Overcast; lightning from SE to WNW hor., at intervals of 23s.; rain ceased at 11h. 17m.	
8	K	Overcast with ≀, moving W; lightning in hor. from SE to SW at intervals of 37s.; a few drops of rain at full hour.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°9.
8	B	Overcast with ≀, moving WNW; lightning in SW at intervals of 3m. 36s.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀, moving N.	
7	B	≀ scattered throughout, moving NNE.	
8	C	Overcast with ≀, moving NW.	
8	C	Overcast with ≀, moving NNW.	
8	C	Overcast with ≀ and ≀, both moving N.	
5	C	≀ around hor.; ≀ scattered throughout, moving NNW.	
6	K	" " "	
5	K	≀ and ≀ around hor.; ≀ scattered about W hem.	
4	K	≀ and ≀ scattered about, moving SW.	
4	K	" "	
1	L	Pieces of clouds, moving N.	
2	L	≀ and ≀ scattered about, moving N.	
1	L	" "	
3	L	" "	
3	C	≀ in NE and NW hor.; ≀ around hor., moving N; ≀ scattered above W hor.	
3	C	≀ in NW hor.; ≀ in N, NW, and W; ≀ scattered about, moving N.	
6	C	≀ and ≀ scattered throughout, moving N.	
3	C	≀ scattered about hor., moving N.	
2	K	≀ scattered about hor.; lightning in NE hor.; drops of rain at 9h. 22m.	
3	K	≀ scattered here and there, moving N.	
1	K	" "	
1	K	Masses of ≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 84°9.
0	B	Clear.	
1	B	Masses of ≀ scattered around hor.	
1	B	"	
1	B	"	
2	C	Light ≀, ≀, and ≀ scattered around hor.	
5	C	≀ in S hor.; ≀ around hor.; ≀ scattered throughout.	
5	C	≀ and ≀ around hor., moving NNE; ≀ scattered about.	
4	C	≀ and ≀ around hor., moving N; ≀ scattered about.	
2	K	≀ and ≀ scattered about hor. from S to WNW.	
8	K	Overcast with ≀ and ≀, both moving N.	
4	L	≀ and ≀ scattered about hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 4th-Noon.	29.663	28.671	92°8	83°0	9°8	79°7	0.67	90°7	86°7	SSW	0.5					
1 p. m.	.640	.637	93.6	83.4	10.2	80.1	.66	91.0	87·1	,,	0.4					
2 ,,	.624	.594	93.6	84.0	9.6	80.9	.68	91.3	87.3	SW b S	0.5					
3 ,,	.612	.632	94.0	83.0	11.0	79.3	.64	91.8	87.5	SW	0.3					
4 ,,	.626	.724	93.0	81.0	12.0	76.7	.60	91.0	87.5	SSW	0.3					
5 ,,	.622	.655	91.0	82.0	9.0	78.9	.69	89.5	87.5	,,	0.2	None.	None.	None.	None.	None.
6 ,,	.644	.742	89.0	80.0	9.0	76.7	.68	88.0	87.4	,,	0.1					
7 ,,	.652	.732	87.4	80.0	7.4	77.3	.73	87.0	87.2	SW	0.1					
8 ,,	.667	.698	86.8	81.0	5.8	79.0	.78	86.5	86.9	,,	0.1					
9 ,,	.678	.708	86.6	81.0	5.6	79.0	.79	86.4	86.9	,,	0.1					
10 ,,	.681	.703	86.0	81.0	5.0	79.3	.81	86.0	86.7	,,	0.2					
11 ,,	.682	.765	84.6	79.2	5.4	77.2	.79	84.8	86.5	,,	0.3					
June 6th-Midnight	.656	.708	81.0	79.0	2.0	78.3	.92	81.5	84.3	SW b W	0.0	0.17				
1 a. m.	.640	.692	81.0	79.0	2.0	78.3	.92	81.3	84.1	,,	0.1	0.28				
2 ,,	.617	.717	81.5	78.0	3.5	76.6	.86	81.9	84.1	,,	0.0					
3 ,,	.619	.669	81.6	79.2	2.4	78.3	.90	82.0	84.0	,,	0.0					
4 ,,	.620	.767	79.1	76.4	2.7	75.3	.89	78.9	83.8	,,	0.2	0.08	+	2		1.06
5 ,,	.647	.807	76.3	75.0	1.3	74.5	.94	77.3	83.1	,,	0.0	0.40	+	3		0.52
6 ,,	.674	.797	77.2	76.2	1.0	75.8	.96	78.0	83.1	W b N	0.0	0.25				
7 ,,	.683	.815	77·3	76.0	1.3	75.5	.94	78.1	83.0	,,	0.0	0.02				
8 ,,	.697	.809	79.0	77.0	2.0	76.2	.92	79.5	82.7	NE b N	0.0					
9 ,,	.701	.744	79.4	78.8	0.6	78.6	.97	80.2	82.9	NNW	0.0	0.02				
10 ,,	.710	.796	81.0	78.2	2.8	77.1	.89	81.0	83.2	NW	0.0					
11 ,,	.679	.692	82.0	80.2	1.8	79.5	.93	83.0	83.2	W	0.2	0.01			None.	
Noon.	.676	.770	81.0	78.0	3.0	76.8	.88	81.2	83.3	NW	0.3					
1 p. m.	.643	.798	80.8	76.4	4.4	74.7	.82	81.0	83 3	,,	0.4					
2 ,,	.625	.761	81.2	77.0	4.2	75.4	.83	81.3	83.2	N b W	0.2					
3 ,,	.627	.709	84.8	79.3	5.5	77.3	.79	84.0	83.5	NNW	0.3		+	1		Above 10m.
4 ,,	.630	.769	84.0	77.7	6.3	75.2	.76	83.6	83.7	NW	0.1					
5 ,,	.628	.755	84.0	78.0	6.0	75.7	.77	83.5	83.6	,,	0.1					
6 ,,	.634	.675	83.8	80.0	3.8	78.6	.85	83.5	83.5	WNW	0.2					
7 ,,	.643	.673	82.8	80.0	2.8	79.0	.89	82.9	83.5	,,	0.4					
8 ,,	.664	.721	82.6	79.3	3.3	78.1	.87	82.8	85.5	,,	0.3					
9 ,,	.691	.758	82.4	79.0	3.4	77.8	.86	82.4	83.7	,,	0.5					
10 ,,	.691	.744	82.6	79.4	3.2	78.2	.87	82.6	83.7	,,	0.4					
11 ,,	.685	.744	82.4	79.2	3.2	78.0	.87	82.4	83.7	,,	0.6					
June 7th-Midnight	.667	.695	82.6	80.0	2.6	79.1	.90	82.6	83.8	WNW	0.3					
1 a. m.	.648	.653	82.5	80.5	2.0	79.8	.92	82.7	83.7	,,	0.1					
2 ,,	.632	.657	82.4	80.0	2.4	79.2	.90	82.6	83.7	,,	0.2					
3 ,,	.622	.754	81.2	77.1	4.1	75.5	.84	80.3	83.6	,,	3.3		+	2		0.10
4 ,,	.625	.747	79.9	77.0	2.9	75.9	.88	80.2	83.3	NW b N	0.8	0.09	−	Out of Sc.	Out of Sc.	Instantly.
5 ,,	.630	.706	79.4	78.0	1.4	77.5	.94	79.7	83.1	NW	1.2	0.01				
6 ,,	.666	.757	78.6	77.4	1.2	76.9	.95	79.0	83.0	,,	0.1	0.14				
7 ,,	.686	.782	79.0	77.4	1.6	76.8	.93	79.2	83.0	,,	1.2	0.05				
8 ,,	.703	.804	78.0	77.0	1.0	76.6	.96	77·3	82.6	NE	0.0	0.23				
9 ,,	.718	.825	76.4	76.4	0.0	76.4	1.00	76.4	82.4	NNW	0.0	1.90	+	8	6	0·02
10 ,,	.712	.831	76.8	76.2	0.6	76.0	0.97	76.0	82.3	,,	0.3	0.50				
11 ,,	.700	.790	77.0	77.0	0.0	77.0	1.00	76.8	82.1	,,	0.2	0.30				
Noon.	.690	.784	77.4	77.0	0.4	76.8	0.98	77.4	82.0	,,	0·2	0.35				
1 p. m.	.658	.757	77.8	77.0	0.8	76.7	.97	77.8	82.0	NW b W	0.2	0.16				
2 ,,	.647	.750	78.2	77.0	1.2	76.5	.95	78.6	82.0	,,	0.4	0.03				
3 ,,	.634	.755	77.3	76,3	1.0	75.9	.96	77.3	81.8	,,	0.5	0.13				
4 ,,	.628	.744	77.5	76.5	1.0	76.1	.96	77·6	81.8	W	0.5	0.05	+	3		1.30
5 ,,	.631	.738	76.5	76.4	0.1	76.4	1.00	77.0	81.6	,,	0.1	0.38	+	2		2.14
6 ,,	.641	.744	76.8	76.6	0.2	76.5	0.99	77.5	81.5	SW b W	0.2	0.15				
7 ,,	.649	.790	76.8	76.2	0.6	75.2	.97	77.8	81.2	SSW b W	0.3					
8 ,,	.666	.743	78.0	77.6	0.4	77.4	.98	78.6	81.3	SSW	0·0					
9 ,,	.669	.764	78.2	77.2	1.0	76.8	.96	78.5	81.5	S	0.0	0·04	−	Out of Sc.	Out of Sc.	Instantly.
10 ,,	.671	.733	78.8	78.2	0.6	77.9	.98	79.0	81.6	SSE	0.2	0.02				
11 ,,	.653	.721	78.6	78.0	0.6	77.7	.98	78.6	81.6	SE	0.2	0.02	+	6		2.10

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu cumulo-stati; and Cb nimbi.	
2	L	Ci along E hor.; Ci scattered about hor.	
2	L	Ci along E hor.; Ci scattered here and there.	
3	L	" "	
3	K	Ci along E hor.; Cc above SW hor.; Ci and Cc scattered about, moving NE.	
3	K	Ci along E hor.; Cc above E and SE hor.; Ci and Cc scattered about.	
6	K	Ci around hor.; Ci and Cc scattered throughout, moving NE.	
7	K	Cc along E hor.; Cc scattered throughout, moving NE.	
8	K	Overcast with Cc and Cb, former moving SE, latter NE.	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	K	Overcast with Cc, moving N; rain commenced at 11h. P. M. of the preceding day, ceased at 0h. 52m. of this day.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°9. Daily fall of rain by Osler's gauge 1.25in.
7	B	Overcast with Cc, moving SSE.	
6	B	Cc scattered about, moving SSE; lightning in S hor.	
7	B	Cc scattered about, moving S; lightning in SW hor. every 7m.; light showers of rain after 3h. 30m.	
8	B	Overcast with Cc; raining lightly.	
8	C	" "	
8	C	Overcast; rain ceased at 6h. 43m.	
8	C	Overcast with Cc, moving E.	
8	C	Overcast; drizzling rain.	
8	K	Overcast; drizzling rain till 9h. 30m.	
8	K	Overcast; passing drops of rain falling.	
8	K	Overcast with Cc, moving SE.	
8	K	" "	
8	L	" "	
8	L	" "	
6	L	Ci along E hor.; Cc, Cb, and Ci scattered throughout; Cc moving E.	
8	L	Densely clouded with Cc, moving E.	
8	C	Overcast with Cc; Ci in E hem.	
8	C	Overcast with Cc, moving ENE.	
8	C	" "	
8	C	Overcast with Cc, moving E.	
8	K	Overcast with Cc, moving SE.	
8	K	" "	
8	K	" "	
8	K	Overcast with Cc, moving SE; rain commenced at full hour, ceased at 0h. 23m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°9. Daily fall of rain by Osler's gauge 4.65in.; maximum tension of electricity by Henly's apparatus 8.0; maximum length of spark by Ronald's measure 0.08.
8	B	Overcast with Cc, moving SSE.	
8	B	Overcast; lightning in NW hor. after 2h. 40m.	
8	B	Overcast; continuous lightning along S hor.; rain accompanied with gusts of wind at 3h. 2m.	
8	B	Overcast; lightning in NW hor. at intervals of 1m. 16s.; raining very lightly.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	L	" "	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	Overcast with Cc, moving NE; raining lightly.	
8	C	Overcast; rain ceased at 6h. 12m.	
8	C	Overcast with Cc, moving NE.	
8	C	Overcast; rain commenced at 8h. 30m.	
8	K	Overcast with Cc, moving NW; rain ceased at 9h. 52m.	
8	K	Overcast with Cc, moving N; rain at 10h. 55m.	
8	K	Overcast; rain ceased at 11h. 50m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 8th-Midnight	29.674	28.821	75°8	75°2	0°6	75°0	0.97	75°8	81°3	SW b W	0·2	1.20	—	Out of Sc.	Out of Sc.	Instantly.
1 a. m.	.634	.769	75.8	75.5	0.3	75.4	.99	76.6	81.1	S b E	0·0	0.48		Out of Sc.	60	0.51
2 „	.623	.741	76.0	76.0	0.0	76.0	1.00	76.3	81.0	SSE	0.0	0.60				
3 „	.616	.720	76.6	76.5	0.1	76.5	.00	76.6	80.9	„	0.2	0.23				
4 „	.614	.707	77.3	77.0	0.3	76.9	0.99	77.5	80.9	„	0.3					
5 „	.630	.731	77.6	77.6	0.0	76.6	1.00	78.0	80.8	S	0.2					
6 „	.648	.738	77.0	77.0	0.0	77.0	.00	77.4	80.8	SE b S	0.4	0.10				
7 „	.662	.725	78.2	78.0	0.2	77.9	0.99	78.4	80.9	„	0.3					
8 „	.681	.746	78.4	78.0	0.4	77.8	.98	78.9	81.0	SW	0·2					
9 „	.678	.709	79.8	79.2	0.6	79.0	.97	80.3	81.3	„	0.1	0.01				
10 „	.680	.658	82.0	81.0	1.0	80.6	.96	82.2	81.5	„	0.1					
11 „	.671	.673	82.2	80.5	1.7	79.9	.93	82.6	81.8	„	0.2					
Noon.	.657	.683	83.7	80.3	3.4	79.8	.87	83.5	82.1	SW b S	0.2					
1 p. m.	.626	.659	85.0	80.5	4.5	78.9	.83	84.2	82.5	SW	0·1					
2 „	.597	.607	84.2	80.8	3.4	79.6	.87	83.9	82.8	„	0.3					
3 „	.591	.659	83.6	79.3	4.3	77.7	.83	83.3	82.8	WSW	0·2					
4 „	.576	.628	81.0	79.0	2.0	78.3	.92	81.0	82.7	„	0·2					
5 „	.590	.669	79.6	78.0	1.6	77.4	.93	79.9	82.4	SW	0·1					
6 „	.599	.667	78.6	78.0	0.6	77.7	.97	79.0	82.3	„	0.0	0.05				
7 „	.613	.682	78.7	78.0	0.7	77.7	.97	79.4	82.1	„	0.0	0.05				
8 „	.638	.752	77.4	76.5	0.9	76.1	.96	78.3	81.8	„	0.0	0·36				
9 „	.660	.725	78.4	78.0	0.4	77.8	.98	78.6	81.8	„	0.0	0.26				
10 „	.648	.725	78.0	77.6	0.4	77.4	.98	78.0	81.7	„	0.3	0.24				
11 „	.646	.734	77.6	77.2	0.4	77.1	.98	78.0	81.6	„	0.3	0.12	+	20	20	0.03
June 9th-Midnight	.635	.738	77.4	76.8	0.6	76.5	.97	77.8	81.5	SW	0.2	0.02				
1 a. m.	.607	.693	77.6	77.2	0.4	77.1	.98	78.2	81.4	„	0.2	0.04				
2 „	.599	.680	77.7	77.4	0.3	77.3	.98	78.4	81.3	„	0.0					
3 „	.584	.658	78.1	77.7	0.4	77.5	.98	78.5	81.3	„	0.0					
4 „	.582	.664	78.4	77.6	0.8	77.3	.97	78.8	81.3	„	0.0					
5 „	.586	.655	78.7	78.0	0.7	77.7	.97	79.0	81.3	SE b E	0.4					
6 „	.609	.684	79.3	78.0	1.3	77.5	.95	79.4	81.4	SE b S	0.3					
7 „	.628	.673	80.4	79.0	1.4	78.5	.94	80.5	81.5	S b E	0.3					
8 „	.638	.654	81.5	80.0	1.5	79.4	.94	81.7	81.6	SSE	0.3					
9 „	.639	.673	82.4	79.8	2.6	78.9	.89	82.7	82.0	SES	0.3					
10 „	.625	.644	83.4	80.4	3.0	79.4	.88	83.2	82.3	S b E	0.4					
11 „	.624	.605	85.4	81.8	3.6	80.5	.86	84.8	82.5	„	0.3		None.	None.	None.	None.
Noon.	.610	.611	85.3	81.3	4.0	80.0	.85	85.0	82.8	„	0.3					
1 p. m.	.578	.553	87.4	82.4	5.0	80.7	.81	86.5	83.2	S b W	0.8					
2 „	.557	.548	87.2	82.0	5.2	80.2	.80	86.6	83.6	„	0.8					
3 „	.534	.500	87.3	82.6	4.7	81.0	.82	86.7	83.7	„	0.8					
4 „	.524	.480	86.0	82.5	3.5	81.3	.86	85.5	83.8	„	0.0					
5 „	.525	.536	85.0	81.0	4.0	79.6	.84	84.8	83.8	„	0.6					
6 „	.543	.545	84.2	81.0	3.2	79.9	.77	84.0	83.8	„	0.7					
7 „	.562	.588	83.2	80.2	3.0	79.1	.88	83.1	83.5	S	0.6					
8 „	.579	.570	83.2	81.0	2.2	80.2	.91	83.1	83.4	„	0.7					
9 „	.611	.649	82.8	79.8	3.0	78.7	.88	82.8	83.5	„	0.8					
10 „	.622	.641	82.6	80.2	2.4	79.4	.90	82.2	83.5	S b E	0·0					
11 „	.615	.678	82.0	79.0	3.0	77.9	.88	81.8	83.4	SE b S	0.5					
June 10th-Midnight	.596	.630	79.4	79.0	0.4	78.9	.98	80.0	83.0	S b E	1 to 2	0.03				
1 a. m.	.572	.617	79.7	78.8	0.9	78.5	.96	80.0	82.7	SE b S	0.3					
2 „	.558	.629	80.0	78.3	1.7	77.7	.93	80.2	82.7	„	0.2					
3 „	.547	.623	80.5	78.3	2.2	77.5	.91	80.5	82.7	SSE	0.2					
4 „	.556	.643	80.8	78.0	2.8	76.9	.89	80.7	82.6	„	0·3					
5 „	.556	.646	80.6	78.0	2.6	77.0	.90	80.5	82.4	S b E	0.7		None.	None.	None.	None.
6 „	.582	.674	80.8	78.0	2.8	76.9	.89	80.9	82.5	„	1 to 1½					
7 „	.606	.711	82.0	78.0	4.0	76.5	.84	81.8	82.5	„	0·5					
8 „	.614	.706	83.1	78.6	4.5	76.9	.82	82.9	82.7	„	0.4					
9 „	.615	.702	84.2	79.0	5.2	77.1	.80	84.2	83.1	„	0.5					
10 „	.620	.674	85.0	80.0	5.0	78.2	.81	84.8	83.2	S	0.4					
11 „	.618	.640	88.0	81.5	6.5	79.3	.76	86.8	83.6	SSW	0·5					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿i cirri; ∿∿i cirro-cumuli; ∩i cumuli; ∪i cirro-strati; ∩∪i cumulo-strati; and ∿∿i nimbi.	
8	K	Overcast with ∿∿i, moving N; raining heavily; thunder occasionally heard in NW.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°8. Daily fall of rain by Osler's gauge 3.75in.; maximum tension of electricity by Henly's apparatus 16.0; maximum length of spark by Ronald's measure 0.17in.; at midnight and 1 A. M. the reading of air thermometer was smallest in the month, and 6°1 smaller than the normal mean.
8	B	Overcast; lightning and thunder in NW; raining.	
8	B	Overcast; lightning and thunder in NW hor.; raining.	
8	B	Overcast; lightning in NW hor.; rain ceased at 3h. 15m.	
8	B	Overcast; lightning in NW hor.; drizzling rain between 4h. 15m. and 4h. 27m.	
8	C	Overcast; light rain from 5h. 3m. to 5h. 57m.	
8	C	Overcast with ∿∿i, moving NW; passing drops of rain between 6h. 11m. and 6h. 23m.	
8	C	Overcast with ∿∿i, moving N; drizzling rain commenced at 7h. 17m.	
8	C	Overcast; drizzling rain falling.	
8	L	Overcast with ∿∿i, moving NE; rain ceased at 9h. 16m.	
8	K	Overcast with ∿∿i, moving NE.	
7	K	∿∿i scattered throughout; ∩i along E hor.	
6	K	∿∿i and ∿∿i scattered throughout; ∩i along E hor.	
6	K	" "	
8	L	Overcast with ∿∿i and ∿i.	
8	L	Overcast; drizzling rain between 3h. 16m. and 3h. 40m.	
8	L	Overcast; drizzling rain commenced at full hour.	
8	C	Overcast; raining.	
8	C	Overcast with ∿∿i, moving ENE; raining lightly.	
8	C	Overcast; raining.	
8	C	" "	
8	K	" "	
8	K	" "	
8	K	Overcast; rain ceased at 11h. 23m. but recommenced at 11h. 50m.	
8	K	Overcast with ∿∿i, moving NE; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 84°8. Daily fall of rain by Osler's gauge 0.06in.
8	B	Overcast; rain ceased at 1h. 11m.	
8	B	Overcast; no rain.	
8	B	Overcast; a break in SE.	
8	B	Overcast with ∿∿i, moving NE.	
8	C	Overcast with ∿∿i, moving NW.	
8	C	Overcast with ∿∿i, moving NNW.	
8	C	Overcast with ∿∿i and ∿∿i, both moving N.	
7	C	∿∿i around hor.; ∿i and ∿∿i scattered throughout.	
7	K	∩i along S hor.; ∿∿i and ∿∿i scattered throughout.	
6	K	∩i above S hor.; ∿∿i in NE and E hor.; ∿i and ∿∿i scattered throughout.	
6	K	∩i along E hor.; ∿∿i around hor.; ∿i scattered about zth., moving W.	
6	K	∩i along E hor.; ∿∿i and ∿∿i scattered throughout, former moving SW.	
7	L	∩i and ∿∿i around hor., latter moving NE; ∿i scattered throughout.	
7	L	∩i around hor.; ∿∿i in SW and S; ∿∿i scattered throughout, moving N.	
7	L	" " " "	
8	L	∩i and ∿∿i around hor.; ∿i scattered throughout.	
7	C	" " "	
7	C	∩i and ∿∿i around hor.; ∿∿i and ∿i scattered throughout.	
7	C	Clouded with ∿∿i, ∿∿i, and ∿i.	
4	C	∿∿i scattered about, moving N.	
6	K	∿∿i scattered about, moving NW.	
8	K	Overcast with ∿∿i; a shower of rain at 10h.	
8	K	Overcast; rain commenced at 11h. 45m.	
8	K	Overcast with ∿∿i, moving N; rain ceased at 0h. 27m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 84°8. Daily fall of rain by Osler's gauge 0.30in.
2	B	∿∿i scattered about hor.	
8	B	Overcast with ∿∿i, moving N.	
6	B	∿∿i scattered throughout.	
7	B	"	
5	C	∿∿i around hor.; ∿i and ∿∿i scattered about.	
4	C	∿∿i around hor.; ∿i scattered throughout.	
3	C	∿∿i around hor.; ∿i scattered here and there.	
5	C	∿∿i around hor.; ∿i and ∿∿i scattered about.	
7	L	∿∿i scattered throughout; moving N.	
7	K	" "	
4	K	∿∿i scattered about hor.; a few ∿i in S.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 10th-Noon.	29.593	28.586	88°6	82°4	6.2	80°3	0.77	87°5	84°0	SSW	1 to 1½					
1 p. m.	.583	.549	89.0	83.0	6.0	71.0	.78	88.0	84.3	S	1.0					
2 „	.555	.548	88.2	82.2	6°0	80.2	.78	87.3	84·6	„	1 to 2					
3 „	.544	.551	87.8	81.8	6.0	79.7	.78	87.2	84.8	„	1 to 1½					
4 „	.547	.541	86.6	81.8	4.8	80.1	.82	86.3	84.8	„	1 to 1½					
5 „	.553	.534	86.3	82.0	4.3	80.5	.84	86.0	84.6	„	0.8		None.	None.	None.	None.
6 „	.572	.583	85.0	81.0	4.0	79.6	.84	85.0	84.5	„	0.5					
7 „	.590	.579	83.0	81.0	2.0	80.2	.92	83.0	84.2	S b E	0.5					
8 „	.621	.653	83.0	80.0	3.0	78.9	.88	83.0	84.0	SSW	0.4					
9 „	.634	.666	83.0	80.0	3.0	78.9	.88	83.0	84.3	SW b S	0.2					
10 „	.637	.668	81.0	79.5	1.5	79.0	.94	81.5	83.8	S	0.2	0.25				
11 „	.633	.641	81.6	80.2	1.4	79.7	.94	81.8	83.8	„	0.4					
June 11th-Midnight	.617	.627	81.0	80.0	1.0	79.6	.96	81.5	83.7	S b E	0.8					
1 a. m.	.604	.623	80.7	79.7	1.0	79.4	.96	81.2	83.5	„	0.2					
2 „	.591	.599	80.8	80.0	0.8	79.7	.97	81.3	83.4	„	0·1					
3 „	.581	.584	81.1	80.2	0.9	79.9	.96	81.6	83.3	S	0.1					
4 „	.579	.648	79.8	78.3	1.5	77.7	.94	80.5	83.1	SW b S	0.0					
5 „	.587	.629	80.1	79.0	1.1	78.6	.95	80.7	83.0	S b W	0.0					
6 „	.611	.659	80.3	78.9	1.4	78.4	.94	80.7	83.0	SSW	0.2					
7 „	.625	.650	81.2	79.7	1.5	79.2	.94	81.4	83.0	S b W	0.3					
8 „	.633	.648	83.0	80.4	2.6	79.5	.90	83.1	83.1	„	0.2					
9 „	.644	.657	83.2	80.5	2.7	79.5	.89	83.5	83.4	S	0.2					
10 „	.642	.609	85.0	82.0	3.0	81.0	.88	85.0	83.6	„	0.3					
11 „	.636	.618	83.2	81.2	2.0	80.5	.92	83.5	83.6	SSW	0.2	0.04				
Noon.	.628	.652	80.8	79.6	1.2	79.2	.95	80.8	83.5	SW	0.2	0.63				
1 p. m.	.603	.646	80.2	79.0	1.2	78.6	.95	80.8	83.3	„	0.1	0.13	+	Out of Sc.	45	0·05
2 „	.575	.509	82.8	82.2	0.6	82.0	.98	82.8	83.3	S b W	0.3	0.03				
3 „	.542	.535	83.4	81.0	2.4	80.2	.90	83.2	83.7	„	0.4					
4 „	.532	.513	81.5	80.8	0.7	80.5	.97	82.1	83.5	SW b S	0.1	0.07				
5 „	.536	.513	81.2	80.8	0.4	80.7	.98	81.4	834.	S b E	1 to 2		+	2		Above 10m.
6 „	.553	.523	81.3	81.0	0.3	80.9	.99	81.6	83.3	S	0.4	0.10	+	3		Above 10m.
7 „	.576	.605	80.4	79.4	1.0	79.0	.96	80.9	83.2	WSW	0.2	0.09				
8 „	.593	.660	79.3	78.2	1.1	77.8	.95	79.5	83.1	SSW	0.2	0.18	+	1		Above 10m.
9 „	.615	.667	78.3	78.3	0.0	78.3	1.00	78.5	82.7	W b S	0.0	1.15	+	8		0.07
10 „	.613	.706	76.9	76.9	0.0	76.9	.00	76.5	82.4	W	1 to 2½	1.45	+	2		0.06
11 „	.610	.675	78.4	78.0	0.4	77.8	0.98	78.0	82.3	WSW	0.3	0.36				
June 13th-Midnight	.560	.633	77.6	77.6	0.0	77.6	1.00	77.2	81.2	S	0.0	0.15				
1 a. m.	.542	.624	77.2	77.2	0.0	77.2	.00	77.0	81.0	ESE	0.0	0.36				
2 „	.528	.610	77.2	77.2	0.0	77.2	.00	77.0	81.0	NE b N	0.0	0.83				
3 „	.516	.546	79.0	79.0	0.0	79.0	.00	78.3	81.0	WSW	0.2	0.07				
4 „	.517	.550	80.0	79.2	0.8	78.9	0.97	79.3	81.2	„	0.2					
5 „	.527	.570	80.2	79.0	1.2	78.6	.95	80.0	81.3	„	0.2					
6 „	.551	.539	80.1	79.1	1.0	78.7	.96	80.0	81.5	„	0.1	0.06				
7 „	.568	.577	81.3	80.1	1.2	79.7	.95	80.0	81.5	„	0.1					
8 „	.570	.653	80.0	78.0	2.0	77.3	.92	80.0	81.5	W b S	1 to 2½	0.07				
9 „	.574	.538	82.8	81.5	1.3	81.1	.95	82.6	82.0	„	0.1	0.04				
10 „	.582	.511	84.8	82.8	2.0	82.2	.92	84.8	82.4	„	0.1					
11 „	.571	.500	84.8	82.8	2.0	82.2	.92	84.5	82.7	„	0.1					
Noon.	.558	.593	85.2	80.5	4.7	74.8	.82	84.8	82.8	SW b W	0.3		None.	None.	None.	None.
1 p. m.	.548	.506	86.6	82.6	4.0	81.3	.85	86.0	83.2	„	1 to 1½					
2 „	.537	.608	82.7	79.0	3.7	77.6	.85	82.5	83.2	WSW	1 to 2½					
3 „	.523	.540	83.2	80.4	2.8	79.4	.89	83.4	83.0	„	1 to 2½					
4 „	.527	.553	84.8	80.6	4.2	79.1	.84	84.4	83.3	SW b W	1.5					
5 „	.537	.587	83.8	79.5	4.3	78.3	.83	83.5	83.2	„	1 to 1½					
6 „	.561	.608	83.3	79.7	3.6	78.4	.86	83.0	83.2	„	1 to 1½					
7 „	.570	.644	83.0	79.0	4.0	77.5	.85	82.7	83.0	„	0.7					
8 „	.589	.621	83.0	80.0	3.0	78.9	.88	82.6	83.0	„	0.8					
9 „	.606	.660	80.4	78.8	1.6	78.2	.93	80.5	82.8	„	2 to 5½	0.10				
10 „	.621	.684	82.0	79.0	3.0	77.9	.88	81.8	82.8	„	0.6					
11 „	.617	.664	82.0	79.4	2.6	78.4	.89	82.0	82.8	WSW	0.5					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
5	K	≀≀ scattered about, moving N.	
6	K	≀≀ and ≀≀ scattered throughout.	
4	L	≀≀, ≀, and ≀≀ scattered about hor.	
3	L	≀≀ scattered around hor. and in zth.	
6	L	≀≀ scattered throughout, moving N.	
6	C	≀≀ and ≀≀ scattered throughout, both moving N.	
7	C	Densely clouded with ≀≀ and ≀≀; drizzling rain between 6h. 49m. and 6h. 59m.	
8	C	Densely clouded with ≀≀ and ≀≀, former moving N.	
5	C	≀≀ around hor.; ≀≀ scattered throughout, both moving N.	
6	K	≀≀ scattered throughout; rain commenced at full hour, and ceased at 9h. 50m.	
7	K	Densely clouded with ≀≀, moving N.	
7	K	" "	
8	K	Overcast with ≀≀, moving NW; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 84°8. Daily fall of rain by Osler's gauge 4.33 in.
8	B	Overcast with ≀≀, moving NE; passing drops of rain at 1h. 3m.	
6	B	≀≀ scattered throughout, moving NE.	
7	B	≀≀ scattered throughout; a passing shower of rain at 3h. 17m.	
6	B	≀≀ scattered throughout, moving NE.	
7	C	≀≀ scattered throughout, moving N.	
8	C	Overcast with ≀≀, moving NNE.	
8	C	Overcast with ≀≀, moving N.	
8	C	" "	
8	K	" "	
7	K	≀≀ scattered throughout; ≀ about zth.; rain commenced at 10h. 34m.	
8	K	Overcast with ≀≀, moving NE; raining	
8	K	Overcast; rain ceased at 0h. 48m. P. M.	
8	L	Overcast; rain commenced at 1h. 12m. and ceased at 1h. 35m.	
8	L	Overcast with ≀≀; a few ≀ in S.	
8	L	Overcast; rain commenced at 3h. 10m. and ceased at 3h. 46m.	
8	L	Overcast with ≀≀, moving N; a shower of rain at 4h. 32m.	
8	L	Overcast; thunder in W heard at 5h. 16m.; rain commenced at 5h. 14m. and ceased at 5h. 50m.	
8	L	Overcast; rain at 6h. 40m. which lasted 16m.	
8	L	Overcast with ≀≀, moving E; lightning and thunder in SW; rain commenced at 7h. 20m.	
8	B	Overcast with ≀≀, moving ENE; lightning and thunder in SW; raining.	
8	B	" " " "	
8	B	Overcast with ≀≀; raining heavily.	
8	B	" "	
8	K	Overcast with ≀≀, moving N; raining moderately.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°8. Daily fall of rain by Osler's gauge 1.70in.; the height of barometer at 3 A.M. was 29.516in., least during the month.
8	B	Overcast; raining.	
8	B	" "	
8	B	Overcast; rain ceased at 3h. 10m.	
8	B	Overcast with ≀≀, moving NE.	
8	C	Overcast; light rain from 5h. 15m. to 5h. 25m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain commenced at full hour.	
8	C	Overcast with ≀≀, moving ENE; rain ceased at 8h. 32m.	
8	L	Overcast with ≀≀, moving NE.	
8	K	Overcast with ≀≀, moving E.	
8	K	Overcast with ≀≀, moving NE.	
8	K	" "	
8	K	Overcast with ≀≀, moving ENE; drizzling rain commenced at 2h. 14m.	
8	L	Overcast; rain ceased at 2h. 14m.	
8	L	Overcast; no rain.	
8	L	Overcast with ≀≀, moving NE.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast; a passing shower of rain at 8h. 30m.	
8	K	Overcast; no rain.	
8	K	Overcast; a few stars visible in zth.	
8	K	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 14th-Midnight	29.602	28.665	82°0	79°0	3°0	77°9	0.88	81°8	82°8	SW b W	0.7					
1 a. m.	.577	.640	82·0	79.0	3.0	77.9	.88	81.8	82.7	SW	0.3					
2 „	.558	.646	81·6	78.3	3.3	77.1	.87	81.6	82.7	„	0.2					
3 „	.546	.636	81.6	78.3	3.3	77.1	.87	81.6	82.7	„	0.2					
4 „	.544	.632	81.6	78.3	3.3	77.1	.87	81.6	82.7	WSW	0.3					
5 „	.544	.603	81.6	79.0	2.6	78.0	.89	81.5	82.6	SW b S	0.2					
6 „	.557	.598	80.0	79.0	1.0	78.6	.96	80.5	82.5	SW	0.2	0.02				
7 „	.570	.622	81.0	79.0	2.0	78.3	.92	81.2	82.2	SSW	0.2					
8 „	.576	.599	82.2	80.0	2.2	79.2	.91	82.4	82.6	SW b W	0.3					
9 „	.588	.614	83.2	80.2	3.0	79.1	.88	83.2	82.7	SW	0.3					
10 „	.592	.622	84.4	80.4	4.0	79.0	.84	84.2	83.0	WSW	0.5					
11 „	.590	.601	85.0	81.0	4.0	79.6	.84	84.5	83.2	„	0.3					
Noon.	.577	.592	85.4	81.0	4.4	79.5	.83	85.4	83.4	„	0.6		None.	None.	None.	None.
1 p. m.	.557	.588	86.8	81.0	5.8	79.0	.78	86.1	83.8	SW	1.5					
2 „	.557	.574	87.8	81.8	6.0	79.4	.78	86.8	84.0	„	1.0					
3 „	.552	.561	88.0	81.8	6.2	79.7	.77	87.0	84.3	„	0.8					
4 „	.543	.569	87.2	81.2	6.0	79.1	.78	86.5	84.4	SW b S	0.8					
5 „	.557	.579	86.0	81.0	5.0	79.3	.81	85.6	84.2	„	0.5					
6 „	.568	.608	84.4	80.4	4.0	78.7	.84	84.0	84.1	„	0.2					
7 „	.578	.635	83.4	79.5	3.9	78.1	.85	83.4	83.9	„	0.4					
8 „	.581	.615	83.2	80.0	3.2	78.9	.87	83.0	83.7	SSW	0.2					
9 „	.601	.654	83.0	79.5	3.5	78.2	.86	83.0	83.7	„	0.4					
10 „	.604	.644	83.0	79.8	3.2	78.7	.87	82.8	83.7	„	0.7					
11 „	.604	.650	82.8	79.6	3.2	78.5	.87	82.6	83.6	„	0.6					
June 15th-Midnight	.599	.628	82·0	79.6	2.4	78.8	.90	82.0	83.5	SW b S	0.6	0.04				
1 a. m.	.566	.620	82.3	79.3	3.0	78.2	.88	82.3	83.4	„	0.3					
2 „	.546	.582	82.2	79.7	2.5	78.8	.89	82.2	83.3	SSW	0.3					
3 „	.548	.608	81.7	79.0	2.7	78.0	.89	81.8	83.2	„	0.8					
4 „	.555	.636	81.8	78.5	3.3	77.3	.87	81.9	83.2	„	0.3					
5 „	.565	.628	82.0	79.0	3.0	77.9	.88	82.0	83.1	„	1.2					
6 „	.585	.646	82.2	79.1	3.1	78.0	.88	82.2	83.1	„	1.0					
7 „	.604	.638	83.2	80.0	3.2	78.9	.87	83.2	83.3	„	0.2					
8 „	.620	.653	84.5	80.4	4.1	78.9	.84	84.5	83.5	SW b S	0.5					
9 „	.626	.623	85.8	81.5	4.3	80.1	.84	85.7	83.8	SSW	0.6					
10 „	.637	.626	87.0	82.0	5.0	80.3	.81	86.6	84.0	„	0·5					
11 „	.631	.563	88.0	83.5	4.5	82.0	.83	87.2	84.3	„	0.5					
Noon.	.630	.547	88.0	83.8	4.2	82.5	.84	87.5	84.5	SW b S	0.4		None.	None.	None.	None.
1 p. m.	.626	.581	88.8	83.2	5.6	81.4	.80	88.0	84.7	WSW	0.3					
2 „	.614	.580	89.0	83.0	6.0	81.0	.78	88.0	84.9	SW	1.0					
3 „	.601	.590	89.0	82.5	6.5	80.3	.76	88.0	85.2	„	0.6					
4 „	.591	.598	87.8	81.8	6.0	79.7	.78	87.0	85.2	„	1.0					
5 „	.595	.594	86.7	81.7	5.0	80.0	.81	86.1	85.0	„	0.3					
6 „	.605	.572	85.0	82.0	3.0	81.0	.88	84.8	84.8	„	0.2					
7 „	.609	.632	83.8	80.4	3.4	79.2	.87	83.9	84.5	„	0.3					
8 „	.620	.656	83.4	80.0	3.4	78.8	.87	83.5	84.1	„	0.4					
9 „	.638	.674	83.4	80.0	3.4	78.8	.87	83.3	84.3	SSW	0.4					
10 „	.642	.668	83.2	80.2	3.0	79.1	.88	83.2	84.3	„	0·5					
11 „	.632	.645	83.2	80.5	2.7	79.5	.89	83.2	84.3	„	0.7					
June 16th-Midnight	.617	.616	83.2	80.8	2.4	80.0	.90	83.0	84.3	SSW	1.0					
1 a. m.	.603	.615	83.1	80.5	2.6	79.6	.90	83.1	84.2	„	1.3					
2 „	.584	.630	82.8	79.6	3.2	78.5	.87	83.0	84.0	SW	0.8					
3 „	.584	.630	82.8	79.6	3.2	78.5	.87	83.0	83.9	„	0.5					
4 „	.581	.615	82.4	79.8	2.6	78.9	.88	82.5	83.8	SW b S	1.2					
5 „	.591	.615	82.6	80.1	2.5	79.2	.90	82.7	83.7	SW	0.8					
6 „	.607	.632	82.7	80.1	2.6	79.2	.90	82.8	83.6	„	0.6		None.	None.	None.	None.
7 „	.626	.630	83.6	80.8	2.8	79.8	.89	83.5	83.9	„	0.2	0.04				
8 „	.639	.634	83.5	81.0	2.5	80.1	.90	83.8	83.9	„	0.3					
9 „	.653	.627	85.6	82.0	3.6	80.8	.86	85.6	84.1	„	0.4					
10 „	.663	.674	87.0	81.5	5.5	79.6	.79	86.5	84.4	„	0.4					
11 „	.664	.621	88.2	83.0	5.2	81.3	.81	87.6	84.7	„	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
8	K	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 84°8. Daily fall of rain by Osler's gauge 0.04in.
8	B	Overcast; light shower of rain at 1h. 11m.	
8	B	Overcast; a few stars dimly visible about 2th.	
8	B	Overcast.	
7	B	≀≀ scattered throughout, moving NE.	
8	C	Overcast; light rain between 5h. 23m. and 5h. 28m.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	K	"	
8	K	"	
8	K	"	
8	K	"	
8	L	Overcast with ≀≀, moving E.	
8	L	Overcast with ≀≀ and ≀, former moving NE.	
8	L	" "	
8	L	" "	
8	C	" "	
8	C	Overcast with ≀≀ and ≀, former moving NE.	
8	C	" "	
8	C	" "	
8	K	Overcast; a break in E.	
8	K	Overcast.	
8	K	Overcast with ≀≀ and ≀≀, both moving NE; a shower of rain at 11h. 45m. which lasted 5m.	
8	K	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 84°8. Daily fall of rain by Osler's gauge 0.04in.
8	B	" "	
4	B	≀≀ scattered about; a passing shower of rain at 2h. 5m.	
6	B	≀≀ scattered throughout.	
7	B	"	
6	C	≀≀ and ≀≀ scattered throughout, former moving NE.	
6	C	≀≀ scattered throughout, moving NE.	
6	C	" "	
8	C	" "	
8	L	Overcast with ≀≀ and ≀, former moving NE.	
8	K	Overcast with ≀≀ and ≀≀, former moving NE.	
8	K	" "	
8	K	" "	
8	K	≀≀ around hor.; ≀≀ scattered about.	
8	L	≀≀ around hor. in E and SE; ≀ scattered throughout.	
8	L	Overcast with ≀≀ ≀≀, and ≀.	
8	L	"	
6	C	≀≀ around hor.; ≀≀ and ≀ scattered throughout.	
7	C	" "	
8	C	Overcast with ≀≀ and ≀≀, former moving NE.	
8	C	" "	
7	K	≀≀ around hor.; ≀≀ and ≀ scattered about zth.	
8	K	Overcast with ≀≀, moving NE; a few stars dimly visible.	
8	K	" " "	
8	K	Overcast with ≀≀, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 84°8. Daily fall of rain by Osler's gauge 0.07in.; the temperature of evaporation at noon was 84°2 greatest in the month, and about 2°7 greater than the normal mean.
8	B	Overcast; a few drops of rain at 1h. 16m. and at 1h. 21m.	
8	B	Overcast; no rain.	
8	B	Overcast; a shower of rain at 3h. 15m. which lasted 3m.	
7	B	≀≀ scattered throughout, moving NE.	
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast with ≀≀ and ≀≀.	
8	C	Overcast; a shower of rain at 7h. 3m. which lasted 5m.	
8	C	Overcast; no rain.	
8	K	" "	
8	K	" "	
7	K	≀≀ and ≀≀ scattered throughout.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 16th–Noon.	29.652	28.564	89°2	84°2	5°0	82°6	0.82	88°0	84°9	SW	0.5					
1 p.m.	.636	.631	89.6	82.5	7.1	80.1	.74	88.4	85.2	SW b W	1.2					
2 „	.624	.619	89.6	82.5	7.1	80.1	.74	88.4	85.5	„	1·0					
3 „	.614	.580	89.0	83.0	6.0	81.0	.78	88.0	85.6	„	1.0					
4 „	.604	.599	88.4	82.2	6.2	80.1	.77	87.7	85.6	„	0.4					
5 „	.618	.628	85.8	81.0	4.8	79.6	.81	85.5	85.3	„	0.2	None.	None.	None.	None.	None.
6 „	.631	.678	84.4	80.0	4.4	78.4	.83	84.5	85.0	„	0.2					
7 „	.647	.698	83.6	79.7	3.9	78.3	.85	83.8	84.9	„	0.3					
8 „	.652	.686	83.2	80.0	3.2	78.9	.87	83.3	84.6	SW b S	0.4					
9 „	.670	.702	83.0	80.0	3.0	78.9	.88	83.0	84.6	„	0.4					
10 „	.677	.709	83.0	80.0	3.0	78.9	.88	83.0	84.5	„	0.5					
11 „	.675	.713	82.8	79.8	3.0	78.7	.88	82.8	84.5	SW	0.8					
June 17th–Midnight	.658	.719	82.6	79.2	3.4	78.0	.86	82.6	84.4	SW	0.6					
1 a.m.	.636	.672	82.6	79.8	2.8	78.8	.89	82.8	84.3	„	0.5					
2 „	.632	.683	82.4	79.4	3.0	78.3	.88	82.5	84.2	„	0.5					
3 „	.628	.703	82.0	78.7	3.3	77.5	.87	82.1	84.1	SW b W	0.6					
4 „	.633	.696	82.0	79.0	3.0	77.9	.88	82.1	84.0	„	0.5					
5 „	.641	.710	81.8	78.8	3.0	77.7	.88	82.0	83.8	„	0.3					
6 „	.656	.719	82.0	79.0	3.0	77.9	.88	82.1	83.8	„	0.3					
7 „	.682	.718	83.4	80.0	3.4	78.8	.86	83.6	83.9	„	0.3					
8 „	.698	.709	85.4	81.1	4.3	79.6	.83	85.0	84.0	„	0.3					
9 „	.703	.665	87.0	82.6	4.4	81.1	.83	86.5	84.5	SW	0.6					
10 „	.711	.673	88.6	83.0	5.6	78.0	.80	87.5	84.7	„	0.5					
11 „	.708	.660	89.4	83.4	6.0	81.4	.78	87.8	84.9	„	0.4					
Noon.	.707	.670	90.0	83.3	6.7	81.1	.76	88.5	85.1	„	0.4					
1 p.m.	.698	.639	90.4	83.7	6.7	81.8	.76	88.8	85.4	SW b S	0.3					
2 „	.682	.666	90.6	83.0	7.6	80.5	.73	88.9	85.7	„	0.5					
3 „	.670	.659	90.0	82.7	7.3	80.3	.74	88.7	85.8	SW	0·4					
4 „	.675	.633	89.6	82.2	7.4	79.7	.73	88.4	85.9	„	0.3					
5 „	.690	.707	88.0	81.6	6.4	79.4	.77	87.1	85.7	SW b S	0.2					
6 „	.691	.726	85.6	80.6	5.0	78.8	.81	85.4	85.5	„	0.2					
7 „	.706	.751	84.2	80.0	3.2	78.5	.84	84.2	85.1	„	0.4					
8 „	.719	.806	82.3	78.5	3·8	77.1	.85	82.8	84.9	„	0.2					
9 „	.726	.773	82.5	79.5	3.0	78.4	.88	82.5	84.8	WSW	0.2					
10 „	.717	.818	81.6	78.0	3.6	76.6	.86	82.0	84.7	SW b S	0.3					
11 „	.718	.746	82.6	80.0	2.6	79.1	.90	82.8	84.6	„	0.3					
June 18th–Midnight	.704	.729	82.4	80.0	2.4	79.2	.90	82.6	84.5	SW b S	0.5					
1 a.m.	.684	.726	82.4	79.6	2.8	78.6	.89	82.6	84.5	„	0.3					
2 „	.681	.735	82.3	79.3	3.0	78.2	.88	82.5	84.3	SW	0.3					
3 „	.681	.740	81.6	79.0	2.6	78.0	.89	82.0	84.1	„	0.6					
4 „	.680	.781	81.6	78.0	3.6	76.6	.86	81.9	84.1	„	0.3					
5 „	.700	.752	81.7	79.2	2.5	78.3	.90	82.0	83.8	„	0.2					
6 „	.714	.777	82.0	79.0	3.0	77.9	.88	82.0	84.0	SW b S	0·2					
7 „	.730	.764	83.2	80.0	3.2	78.9	.87	83.3	84.0	„	0·2					
8 „	.744	.738	85.0	81.4	3.6	80.0	.86	84.9	84.2	„	0.3					
9 „	.763	.752	87.0	82.0	5.0	80.3	.81	86.5	84.4	„	0.4					
10 „	.755	.710	88.0	83.0	5.0	81.4	.81	87.2	84.7	SW	0.5					
11 „	.753	.747	89.5	82.5	7.0	80.6	.75	88.2	85.0	„	0·4					
Noon.	.749	.775	90.4	82.0	8.4	79.1	.70	88.5	85.3	„	0.5					
1 p.m.	.740	.710	91.0	83.4	7.6	80.9	.73	89.1	85.7	SW b S	0.4					
2 „	.724	.719	86.0	81.6	4.4	80.1	.83	85.7	85.5	SW b W	0.4					
3 „	.711	.693	82.4	81.0	1.4	80.5	.94	83.0	85.3	W	0.3	0.05	+	Out of Sc.	40	0.05
4 „	.711	.709	95.0	81.3	3.7	80.1	.86	85.1	85.2	WSW	0.3					
5 „	.722	.737	85.4	81.0	4.4	79.5	.83	85.0	85.2	SW b W	0.2					
6 „	.725	.753	84.2	80.4	3.8	79.1	.85	84.2	85.0	„	0.1					
7 „	.732	.768	83.4	80.0	3.4	78.8	.86	83.7	84.8	„	0.1					
8 „	.741	.776	83.0	79.9	3.1	78.8	.88	83.2	84.7	WSW	0.4					
9 „	.749	.801	82.6	79.4	3.2	78.1	.87	83.0	84.5	SW b W	0.3					
10 „	.753	.781	82.6	80.0	2.6	78.2	.90	83.0	84.5	„	0.2					
11 „	.749	.796	82.5	79.5	3.0	77.7	.88	82.9	84.3	„	0.1					

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli ⌣ cirro-strati; ≀∩ cumulo-strati; and ∩≀ nimbi.	
7	K	∩≀ and ≀≀ scattered throughout.	
8	L	∩≀ and ≀ scattered throughout.	
8	L	"	
8	L	"	
8	L	"	
8	C	"	
5	C	∩≀ around hor.; ≀ scattered about.	
6	C		
5	C	" "	
5	K	" "	
5	K	" "	
5	K	" "	
6	K	∩≀ scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 84°9.
7	B	" "	
5	B	" "	
2	B	∩≀ scattered about hor.	
5	B	∩≀ scattered throughout, moving NE.	
5	C	∩≀ and ≀ scattered throughout.	
5	C	".	
5	C	"	
4	C	∩≀ scattered about.	
7	L		
7	K	"	
6	K	"	
5	K	∩≀ around hor.; ≀≀ scattered throughout.	
5	K	≀ about zth.; ∩≀ scattered about.	
7	L	" "	
7	L	∩≀ and ≀ scattered throughout.	
7	L	"	
6	C	"	
3	C	"	
5	C	∩≀ scattered about hor.; a few drops of rain at 6h. 53m.	
7	C	∩≀ scattered throughout; drizzling rain between 7h. 19m. and 7h. 24m.	
5	K	Densely clouded with ∩≀.	
5	K	∩≀ scattered about.	
6	K	∩≀ around hor.; ≀ scattered about.	
8	K	∩≀ scattered throughout, moving NE.	
6	B	Overcast with ∩≀, moving NE; hazy; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°0. Daily fall of rain by Osler's gauge 0.05in.
5	B	∩≀ scattered about hor.; ≀ around zth.	
7	B	∩≀ and ≀ scattered throughout; a passing shower of rain at 2h. 25m.	
5	B	∩≀ scattered throughout; hazy.	
5	C	∩≀ around hor.; ≀ scattered about; a lunar-halo.	
5	C	∩≀ scattered about, moving NE; a few ≀ above NE hor.; drops of rain fell at 5h. 11m.	
6	C	∩≀ and ≀ scattered throughout.	
7	C	∩≀ scattered throughout; a few ≀ above NNW hor.	
7	K	∩≀ scattered throughout.	
8	K	"	
5	K	"	
6	K	"	
8	L	"	
8	L	Overcast; hazy; a shower of rain at 1h. 52m. which lasted 2m.	
8	L	Overcast; light rain from 2h. 32m. to 2h. 53m.	
8	L	∩≀ and ≀ scattered throught.	
8	C	Overcast; a passing shower of rain at 4h. 11m.	
7	C	Overcast; no rain.	
6	C	∩≀ scattered about, moving NE.	
5	C	" "	
3	C	" "	
4	C	∩≀ scattered about hor.	
6	C	∩≀ scattered about; drizzling rain at rain at 10h. 33m. which lasted 2m.	
		∩≀ scattered about, moving NE.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 20th-Midnight	29.675	28.764	82°5	78°5	4°0	77°0	0.84	82°5	84°4	WSW	1.0					
1 a. m.	.654	.752	82.5	78.3	4.2	76.7	.83	82.5	84.3	„	1·6					
2 „	.640	.765	82.3	77.6	4.7	75.8	.81	82.5	84.2	„	1·0					
3 „	·630	.729	82.2	78.2	4.0	76.7	.84	82.3	84.1	„	0.8					
4 „	.628	.734	82.1	78.0	4.1	76.4	.84	82.2	84.0	„	0.3					
5 „	.641	.746	82.0	78.0	4.0	76.5	.84	82.1	83.9	„	0.3					
6 „	.666	.773	82.2	78.0	4.2	76.4	.83	82.3	84.0	„	0.4					
7 „	.670	.747	83.3	79.0	4.3	77.4	.83	83.4	84.0	SW b W	0.4					
8 „	.678	.756	85.3	79.5	5.8	77.4	.78	85.0	84.2	WSW	0.3					
9 „	.690	.742	86.4	80.4	6.0	78.3	.77	86.0	84.3	„	0·2					
10 „	.686	.703	88.0	81.6	6.4	79.4	.77	87.4	84.6	„	0.4					
11 „	.682	.728	89.0	81.2	7.8	78.5	.72	87.8	85.0	„	0.4					
Noon.	.680	.735	89.8	81.2	8.6	78.2	.70	88.4	85.2	„	0.4					
1 p. m.	.670	.709	90.0	81.6	8.4	78.7	.70	88.8	85.8	SW b W	0·4					
2 „	.656	.730	89.5	80.7	8.8	77.5	.69	88.3	85.5	„	0·5					
3 „	.646	.685	87.5	81.0	6.5	78.7	.76	86.9	85.6	SW	0·6					
4 „	.646	.693	88.3	81.0	7.3	78.4	.73	87.5	85.5	„	0·4					
5 „	.646	.706	85.9	80.1	5.8	78.0	.78	85.7	85.4	„	0·3					
6 „	.661	.732	84.7	79.5	5.2	77.6	.80	84.7	85.4	„	0·3					
7 „	.671	.746	83.8	79.2	4.6	77.5	.82	84.9	85.1	SW b W	0·3					
8 „	.678	.754	83.2	79.0	4.2	77.5	.83	83.4	85.0	„	0·5					
9 „	.681	.755	83·0	79.0	4.0	77.5	.84	83.0	84.9	„	0·4					
10 „	.682	.774	82.8	78.5	4.3	76.9	.83	82.8	84.8	„	0.5					
11 „	.690	.780	82.6	78.5	4.1	77.0	.84	82.8	84.7	„	0.7					
June 21st-Midnight	.677	.766	82.5	78.5	4·0	77.0	.84	82.6	84.5	SW b W	0.4					
1 a. m.	.664	.750	82.6	78.6	4.0	77.1	.84	82.7	84.3	„	0.5					
2 „	·647	·723	82.4	78.8	3.6	77.5	.86	82.6	84.3	„	0.5					
3 „	.643	.739	82.3	78.3	4.0	76.8	.84	82.4	84.2	SW	0.7					
4 „	.642	.717	81.6	78.6	3.0	77.5	.88	81.9	84.1	SW b W	0.3	0·04				
5 „	·651	.739	81.6	78.3	3.3	77.1	.87	81.9	83.9	WSW	0.6					
6 „	.676	.764	81.9	78.4	3.5	77.1	.86	82.2	83.9	„	0.8					
7 „	.692	.753	83.3	79.4	3.9	77.7	.85	83.5	84.1	„	0.3					
8 „	·710	.757	84.4	80.0	4.4	78.4	.83	84.6	84.1	„	0.4					
9 „	.719	.771	85.6	80.2	5.4	78.3	.80	85·6	84.4	„	0.4					
10 „	.719	·739	87.4	81.4	6.0	79.3	.78	86.8	84.7	„	0·4					
11 „	.717	.756	88.4	81.2	7·2	78.7	.74	87.6	85.0	„	0·3					
Noon.	.720	.733	89.2	82.0	7.2	79.5	.74	88.0	85.2	„	0.3					
1 p. m.	.714	.698	89.8	82.8	7.0	80.5	.75	88.6	85.4	„	0.8					
2 „	.710	.743	90.2	81.8	8.4	78.9	.70	89.1	85.7	SW	0·8					
3 „	·696	.707	89.8	82.2	7.6	79.6	.73	88.8	85.8	„	0.5					
4 „	.691	.724	87.8	81.2	6.6	78.9	.76	87.3	85.8	SW b W	0.4					
5 „	.698	.724	86.4	81.0	5.4	79.1	.80	86.0	85.6	„	0.3					
6 „	·712	.769	85.2	80.0	5.2	78.1	.80	85.0	85.5	„	0·3					
7 „	.719	.770	84.0	79.8	4.2	78.3	.84	84.0	85.1	„	0·3					
8 „	.731	.767	83.4	80.0	3.4	78.8	.86	83.6	84.9	SW b S	0·4					
9 „	.740	.798	83.0	79.4	3.6	78.1	.86	83.2	84.9	SW	0·3					
10 „	.745	.800	82.8	79.4	3.4	78.2	.86	83.0	84.8	„	0.5					
11 „	.747	.817	82.6	79.0	3.6	77.7	.86	82.8	84.7	„	0·3					
June 22nd-Midnight	.738	.805	82.4	79.0	3.4	77.8	.86	82.5	84.6	SW	0.3					
1 a. m.	.717	.816	82.2	78.2	4.0	76.7	.84	82.4	84.5	„	0.2					
2 „	.702	.774	81.7	78.7	3.0	77.6	.88	82.1	84.3	„	0.2					
3 „	.694	.812	81.9	77.6	4.1	76.0	.84	82.1	84.2	WSW	0.2					
4 „	.693	.796	81.8	78.0	3.8	76.5	.86	82.1	84.1	„	0.3					
5 „	.702	.775	81.3	78.7	3.1	77.6	.87	82.0	84.0	„	0.5					
6 „	.727	.824	82.0	78.2	3.8	76.7	.85	82.1	84.0	SW b W	0.5					
7 „	.738	.816	83.4	79.0	4.4	77.4	.83	83.4	84.0	„	0.2					
8 „	.756	.812	85.2	80.0	5.2	78.1	.80	85.0	84.2	WSW	0·2					
9 „	.763	.806	87.2	80.8	6.4	78.6	.76	86.3	84.7	„	0·2					
10 „	.771	.809	88.7	81.3	7.4	78.7	.73	87.5	84.8	„	0.2					
11 „	.765	.796	90.0	81.8	8.2	79.0	.71	88.4	85.2	SW b W	0.5					

Less than one cent. None. None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
5	K	scattered about, moving NE; passing drops of rain at 0h. 56m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 85°2.
5	B	scattered about.	
4	B	"	
3	B	"	
5	B	scattered about; passing drops of rain at 4h. 7m.	
3	C	scattered here and there.	
2	C	Masses of scattered about.	
5	C	Masses of scattered about hor.	
2	C	scattered about hor.	
6	B	scattered throughout.	
6	K	"	
6	K	"	
6	K	"	
7	K	"	
7	B	Densely clouded with ; passing shower of rain at 2h. 27m.	
7	B	Densely clouded with , moving NE.	
4	B	and scattered about.	
5	C	"	
7	C	"	
5	C	"	
2	C	scattered around hor.	
3	K	around hor.; scattered about.	
3	K	" "	
7	K	Densely clouded with and ; former moving NE.	
8	K	Overcast with , moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°1. Daily fall of rain by Osler's gauge 0.04in.
3	B	scattered about.	
6	B	scattered throughout; a passing drops of rain at 2h. 3m.	
6	B	scattered throughout; passing shower of rain at 3h. 18m. which lasted 2m.	
6	B	scattered throughout; no rain.	
4	C	scattered throughout, except about zth.	
2	C	scattered about hor.	
4	C	scattered about.	
6	C	and scattered throughout, former moving NE.	
8	K	" "	
8	K	Overcast with and .	
8	K	"	
8	K	Overcast with and .	
8	L	"	
8	L	"	
8	L	"	
8	L	"	
8	C	Overcast with and ; a few about zth.	
8	C	around hor.; and scattered throughout.	
8	C	Overcast with and .	
5	C	scattered about.	
4	K	scattered about hor.	
4	K	"	
3	K	"	
3	K	Masses of scattered about, moving NE,	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°1.
3	B	" "	
2	B	Masses of scattered about hor.	
2	B	"	
2	B	around hor.; scattered above SW hor.	
5	C	above SSW and NW hor.; scattered about, moving NE.	
5	C	and acattered about, former moving NE.	
5	C	scattered about.	
4	C	"	
4	L	scattered about hor., moving E.	
5	K	around hor.; scattered about, moving NE.	
4	K	around hor.; about W and N hor.; scattered about, moving NE.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 22nd–Noon.	29.761	28.778	90°4	82°2	8°2	79°4	0.71	88°8	85°4	SW	0.3					
1 p. m.	.754	.762	90.4	82.4	8.0	79.7	.72	89.0	85.6	„	0.3					
2 „	.742	.728	90.8	83.0	7.8	80.4	.72	89.3	86.0	WSW	0·3					
3 „	.731	.722	89.6	82.6	7.0	80.2	.75	88.6	86.1	„	0.5					
4 „	.727	.741	89.3	82.0	7.3	79.5	.74	88.1	86.2	„	0.3					
5 „	.729	.764	87.2	81.0	6.2	78.8	.77	86.6	86.0	„	0.4					
6 „	.738	.795	85.3	80.0	5.3	78·1	.80	85.2	85.6	SW	0.4					
7 „	.752	.796	84.1	80.0	4.1	78.5	.84	84.2	85.4	„	0.2					
8 „	.757	.829	83.6	79.2	4.4	77.6	.83	84.0	85.2	„	0.2					
9 „	.751	.823	83.6	79.2	4.4	77.6	.83	83.6	85.2	„	0.1					
10 „	.751	.811	83.2	79.4	3.8	78.0	.85	83.2	85.1	SW b W	0.4					
11 „	.747	.821	83.0	79.0	4.0	77.5	.84	83.0	84.9	„	0.2					
June 23rd–Midnight	.727	.791	82.8	79.2	3.6	77.9	.86	83.0	84.8	WSW	0.2					
1 a. m.	·712	.784	82.8	79.0	3.8	77.6	.85	83.0	84.7	„	0.2					
2 „	.697	.766	82.5	79.0	3.5	77.7	.86	82.8	84.6	SW b W	0.4					
3 „	.697	.779	82.2	78.6	3.6	77.3	.86	82.6	84.5	„	0.5					
4 „	.697	·763	82.3	79.0	3.3	77.8	.87	82.5	84.5	„	0.6					
5 „	.691	.777	82.2	78.5	3.7	77.1	.85	82.2	84.4	„	0.4					
6 „	.710	.777	82.4	79.0	3.4	77.8	.86	82.5	84.3	SW	0.5					
7 „	.722	.771	83.4	79.7	3.7	78.4	.85	83.6	84.4	„	0·5					
8 „	.736	.786	85.4	80.2	5.2	78.3	.80	85.0	84.6	„	0.4					
9 „	.755	.851	85.0	79.0	6.0	76.8	.77	84.7	84.7	„	1 to 1½					
10 „	.755	.851	85.4	79.1	6.3	76.8	.76	85·3	84.7	„	0·3					
11 „	.755	.794	88.4	81.2	7.2	78.7	.74	87.5	84.9	SSW	0·3					
Noon.	.744	.768	90.2	82.0	8.2	79.2	.71	88.5	85.3	SW b S	0·3					
1 p. m.	.721	.763	90.2	81.6	8.6	78.6	.70	89.0	85.7	WSW	0.5					
2 „	.714	.769	89.0	81.0	8.0	78.2	.71	88.3	85.8	SW b W	0·4					
3 „	.695	.752	89.2	81.0	8.2	78.1	.71	88.2	85.8	WSW	0.5					
4 „	.698	.742	88.0	81.0	7.0	78.5	.74	87.3	85.8	SW b W	0.3					
5 „	.693	.730	86.0	80.4	5.6	78.8	.80	86.0	85.7	„	0.3					
6 „	.716	.788	84.8	79.5	5.3	77.6	.80	84.8	85.5	SW	0·3					
7 „	.720	.777	83.8	79.6	4.2	78.1	.84	84.0	85.3	„	0.6					
8 „	·729	.796	83.5	79.3	4.2	77.8	.84	83.6	85.2	„	0·3					
9 „	.739	.815	83.2	79.0	4.2	77.5	.84	83.3	85.0	„	0.5					
10 „	.740	.814	83.0	79.0	4.0	77.5	.85	83.1	84.9	SW b S	0.4					
11 „	.733	.786	83.0	79.5	3.5	78.2	.86	83.0	84.8	„	0.3					
June 24th–Midnight	.707	.799	82.8	78.5	4.3	76.9	.83	82.8	84.7	SW	0.7					
1 a. m.	.691	.781	82.6	78.5	4.1	77.0	.84	82.9	84.5	„	0.5					
2 „	.684	.774	82.6	78.5	4.1	77.0	.84	82.9	84.5	SW b W	0.6					
3 „	.680	.769	82.5	78.5	4.0	77.0	.84	82.9	84.5	„	0.2					
4 „	.677	.744	82.4	79.0	3.4	77.3	.86	82.8	84.4	„	0.1					
5 „	.689	.792	82.2	78.1	4.1	76.5	.84	82.5	84.3	„	0·4					
6 „	.705	.774	82.5	79.0	3.5	77.7	.86	82.6	84.3	„	0·3					
7 „	.725	.807	83.0	78.8	4.2	77.3	.83	83.1	84.3	SW	0.1					
8 „	.743	.791	84.8	80.1	4.7	78.4	.82	84.8	84.5	„	0.1					
9 „	.751	.809	86.6	80.3	6.3	78.1	.77	86.3	84.8	„	0.4					
10 „	.765	.809	86.4	80.6	5.8	78.5	.78	86.0	84.9	„	0.4					
11 „	.761	.811	85.8	80.3	5.5	78.3	.79	85.5	84.7	„	0.3					
Noon.	.749	.777	86.5	81.0	5.5	79.1	.79	86.2	85.0	„	0.5					
1 p. m.	.732	.754	88.0	81.5	6.5	79.3	.76	87.5	85.2	„	0.5					
2 „	.720	.755	87.2	81.0	6.2	78.8	.77	86.9	85.3	„	0·8					
3 „	.720	.751	86.8	81.0	5.8	79.0	.78	86.5	85.4	WSW	0·3					
4 „	.714	.772	85.4	80.0	5.4	78.1	.79	85.4	85.3	„	0·4					
5 „	.719	.777	84.6	79.8	4.8	78.1	.81	84.6	85.1	SW b W	0·3					
6 „	.722	.773	84.8	80.0	4.8	78.3	.81	84.1	85.0	„	0.1					
7 „	.735	.811	83.2	79.0	4.2	77.5	.83	83.5	85.0	„	0·5					
8 „	.736	.810	83.0	79.0	4.0	77.5	.84	83.1	84.8	„	0.4					
9 „	.747	.821	83.0	79.0	4.0	77.5	.84	83.0	84.8	„	0.4					
10 „	.748	.819	82.7	79.0	3.7	77.6	.85	82.8	84.6	„	0.6		+	2		3·15
11 „	.749	.844	82.6	78.4	4.2	76.8	.83	82.6	84.5	„	0.6		+	3		3.05

Less than one cent. — None. — None. — None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
5	K	≀∩ scattered about, moving NE.	
5	K	" "	
5	L	Masses of ≀∩ scattered about hor., moving NE; a few ≀ about zth.	
6	L	≀∩ scattered throughout.	
5	L	"	
5	C	A few ≀≀ in S; ≀∩ scattered about.	
6	C	≀∩, ≀≀, and ≀ scattered about.	
7	C	≀∩ and ≀ scattered throughout, former moving NE.	
3	C	Masses of ≀∩ scattered about hor., moving NE.	
3	K	Masses of ≀∩ floating NE; a few drops of rain at the time of observation.	
4	K	Masses of ≀∩ scattered about, moving NE.	
3	K	Masses of ≀∩ scattered about hor.	
4	K	≀∩ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°1.
2	B	Masses of ≀∩ around hor.; hazy; a lunar-halo.	
2	B	" " "	
6	C	≀∩ and ≀ scattered throughout, moving NE; a lunar-halo.	
8	C	Overcast with ≀∩.	
5	K	≀∩ scattered throughout.	
8	K	Overcast with ≀∩.	
7	L	≀∩ around hor.; ≀≀ in SW scattered throughout.	
8	L	≀∩ around hor.; ≀ and ≀≀ scattered throughout.	
8	C	" "	
8	C	Overcast with ≀∩ and ≀≀; former moving NE.	
7	K	≀∩ around hor.; ≀≀ scattered throughout, moving E.	
7	K	≀∩ and ≀≀ scattered throughout, former moving NE.	
8	L	≀∩ around hor.; ≀≀ in E and SW; ≀ scattered throughout.	
8	L	≀∩ and ≀ scattered throughout, former moving NE.	
8	C	" "	
8	C	" "	
8	K	Overcast with ≀∩, moving NE.	
8	K	Overcast; passing drops of rain at 6h. 37m.	
8	L	Overcast; no rain.	
3	B	≀∩ scattered about hor.	
3	C	"	
7	C	Densely clouded with ≀∩.	
7	K	"	
8	K	Overcast with ≀∩ and ≀, former moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 85°2.
7	B	Densely clouded with ≀∩, moving NE.	
7	B	" "	
8	B	Overcast with ≀∩ and ≀.	
8	B	"	
7	C	≀∩ in W hem.; ≀∩ in E hem., moving NE.	
8	C	Overcast with ≀∩, moving NE.	
8	C	" "	
8	C	" "	
8	L	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	K	" "	
8	L	Overcast with ≀∩ and ≀, former moving NE.	
8	L	Overcast with ≀∩, moving NE.	
8	L	" "	
8	C	" "	
8	C	Overcast with ≀∩ and ≀≀, former moving NE.	
8	C	Overcast with ≀∩, moving NE.	
7	C	Densely clouded with ≀∩.	
4	K	≀∩ scattered about, moving NE.	
4	K	" "	
5	K	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 25th-Midnight	29.736	28.820	82°4	78°6	3°8	77°2	0.85	82°5	84°4	SW	0.5					
1 a. m.	.717	.788	82.0	78.8	3.2	77.6	.87	82.3	84.3	„	0·2					
2 „	.706	.777	82.0	78.8	3.2	77.6	.87	82.3	84.3	„	0.2					
3 „	.711	.831	81.2	77.4	3.8	75.9	.85	81.3	84.2	SW b S	0.2					
4 „	.705	.762	80.0	78.6	1.4	78.1	.94	80.6	83.7	SW b W	0·2	0.31				
5 „	.720	.770	81.0	78.8	2.2	78.3	.91	81.3	83.6	„	0·2					
6 „	.736	.790	81.2	79.0	2.2	78.2	.91	81.5	83.7	„	0.2					
7 „	.754	.821	82.4	79.0	3.4	77.8	.86	82.7	83.8	„	0·2					
8 „	.769	.814	84.2	80.0	4.2	78.5	.84	84.2	84.0	SW	0.2					
9 „	.768	.768	86.0	81.5	4.5	80.0	.83	85.6	84.3	„	0.3					
10 „	.775	.764	87.0	82.0	5.0	80.3	.81	86.8	84.5	„	0·2					
11 „	.778	.802	88.2	81.5	6.7	79.2	.75	87.2	84.8	SW b W	0·3		None.	None.	None.	None.
Noon.	.765	.787	89.2	81.8	7.4	79.3	.73	88.0	85.2	WSW	0.2					
1 p. m.	.750	.749	89.6	82.4	7.2	80.0	.74	88.1	85.4	„	0·4					
2 „	.740	.757	88.3	81.7	6.6	79.4	.76	87.4	85.5	„	0·3					
3 „	.729	.755	88.8	81.6	7.2	79.1	.74	87.8	85.7	SW b W	0.3					
4 „	.719	.743	88.6	81.6	7.0	79.1	.75	87.6	85.7	„	0·3					
5 „	.724	.792	87.0	80.2	6.8	77.7	.75	86.2	85.7	„	0.3					
6 „	.729	.766	85.0	80.4	4.6	78.8	.82	85.0	85.4	„	0.2					
7 „	.745	.797	83.7	79.7	4.0	78.3	.84	83.8	85.3	„	0.2					
8 „	.756	.807	83.2	79.6	3.6	78.3	.86	83.5	85.1	„	0.2					
9 „	.759	.820	82.6	79.2	3.4	78.0	.86	83.0	85.0	SW	0.3					
10 „	.775	.852	82.5	78.8	3.7	77.4	.85	82.8	84.8	„	0.2					
11 „	.763	.828	82·2	79.0	3.2	77.8	.87	82.4	84.6	„	0.3					
June 27th-Midnight	.752	.845	82.4	78.4	4.0	76.9	.84	82.4	84.5	SW b W	0.4					
1 a. m.	.731	.816	82.1	78.5	3.6	77.2	.86	82.3	84.3	SW	0.3					
2 „	.718	.829	81.8	77.8	4.0	76.3	.84	82.1	84.2	„	0.4					
3 „	.716	.827	81.8	77.8	4.0	76.3	.84	82.1	84.2	„	0.4					
4 „	.718	.821	81.8	78.0	3.8	76.5	.85	82.0	84.1	„	0·2					
5 „	.721	.824	81.8	78.0	3.8	76.5	.85	82.0	84.0	„	0.3					
6 „	.727	.791	82 1	79.0	3.1	77.9	.87	82.3	84.0	SW b W	0.3					
7 „	.742	.816	83.0	79.0	4.0	77.5	.84	83.1	84.0	WSW	0·4					
8 „	.749	.822	84.4	79.4	5.0	77.6	.81	84.4	84.1	„	0.2					
9 „	.755	.752	85.8	81.5	4.3	80.1	.84	85.5	84.5	W b S	0.2					
10 „	.762	.806	88.0	81.0	7.0	78.5	.74	87.0	84.8	WSW	0.4					
11 „	.760	.778	88.8	81.8	7.0	79.4	.75	87.5	84.8	W b S	0.5		None.	None.	None.	None.
Noon.	.748	.735	89.7	82.7	7.0	80.4	.75	88.2	85.2	„	0.4					
1 p. m.	.738	.768	90.0	81.8	8.2	79.0	.71	88.5	85.5	SW	0.3					
2 „	.719	.705	88.4	82.4	6.0	80.4	.78	87.4	85.6	„	0.6					
3 „	.708	.730	89.2	81.8	7.4	79.3	.73	87.9	85.7	„	0.4					
4 „	.700	.748	88.4	81.0	7.4	78.4	.73	87.4	85.8	„	0.4					
5 „	.707	.810	81.8	78.0	3.8	76.5	.85	82.0	85.1	„	0.5					
6 „	.719	.749	82.8	80.0	2.8	79.0	.89	83.1	85.0	SW b S	0.3					
7 „	.724	.790	83.0	79.2	3.8	77.8	.85	83.2	84.8	SW	0.4					
8 „	.734	.808	83.0	79.0	4.0	77.5	.84	83.1	84.7	„	0·6					
9 „	.744	.801	82.2	79.2	3.0	78.1	.88	82.4	84.7	„	0.5	0.02				
10 „	.749	.812	82.0	79.0	3.0	77.9	.88	82.3	84.5	„	0.5					
11 „	.749	.838	82.0	78.4	3.6	77.0	.86	82.0	84.4	„	0.4					
June 28th-Midnight	.732	.803	81.2	78.6	2.6	77.6	.89	81.6	84.3	SW	0·8	0.01				
1 a. m.	.711	785	81.9	78.7	3.2	77.5	.87	82.2	84.1	SW b W	0.8					
2 „	.687	.788	81.6	78.0	3.6	76.6	.86	82.0	84.0	„	0.4					
3 „	.683	.755	81.7	78.7	3.0	77.6	.83	82.1	83.9	„	0.1					
4 „	.683	.773	81.5	78.2	3.3	77.0	.87	81.9	83.8	„	0·2					
5 „	.694	.814	81.2	77.4	3.8	75.9	.85	81.5	83.7	„	0.2		None.	None.	None.	None.
6 „	.712	.810	81.4	78.0	3.4	76.7	.86	81.8	83.7	„	0.2					
7 „	.726	.797	83.1	79.1	4.0	77.6	.84	83.3	83.8	WSW	0.2					
8 „	.748	.822	85.3	79.6	5.7	77.5	.78	85.0	84.0	W b S	0·2					
9 „	.747	.809	86.5	80.2	6.3	77.9	.77	86.0	84.5	WSW	0.2					
10 „	.754	.794	87.6	81.0	6.6	78.7	.76	86.8	84.6	„	0.2					
11 „	.742	.746	88.4	82.0	6.4	79.8	.77	87.4	84.8	SW	0.3					

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
5	K	≀ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 85°2. Daily fall of rain by Osler's gauge 0.31in.; at 11 A. M. the reading of barometer was 29·778 greatest during the month, and about 0.100in. greater than the normal mean.
3	B	≀ scattered about hor.	
3	B	"	
8	B	Overcast with ≀; rain commenced at 3h. 6m. and ceased at 3h. 27m.	
3	B	≀ scattered about hor.	
3	C	"	
7	C	Densely clouded with ≀, ≀≀, and ≀.	
7	C	≀ in zth.; ≀ scattered about.	
7	C	Densely clouded with ≀ and ≀, former moving NE.	
7	K	Densely clouded with ≀ and ≀.	
7	K	"	
7	K	"	
7	K	"	
7	L	≀ about hor., moving NE; ≀ scattered throughout.	
7	L	" " "	
6	L	≀ and ≀ scattered throughout, former moving NE.	
7	L	" "	
5	K	" "	
5	K	≀ scattered about, moving NE.	
5	K	" "	
6	K	" "	
4	K	" "	
3	K	≀ scattered about hor., moving NE.	
3	K	≀ scattered about, moving NE.	
2	K	≀ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 85°2. Daily fall of rain by Osler's gauge 0.02in.
2	B	" "	
2	B	" "	
2	B	" "	
1	B	" "	
4	C	≀ scattered about.	
6	C	≀ and ≀ scattered throughout; a few drops of rain at 6h. 38m.	
6	C	Clouded with ≀ and ≀, former moving NE.	
5	C	A few ≀ in S; ≀ scattered about.	
7	L	Clouded with ≀ and ≀.	
7	K	"	
5	K	≀ and ≀ scattered about, both moving NE.	
5	K	≀ scattered about, moving NE.	
8	K	Overcast with ≀, moving NE.	
8	L	≀ in E and SE; ≀ scattered throughout; a few drops of rain at 2h.	
6	L	≀ in E; ≀ scattered throughout.	
6	L	≀ in S and SW; ≀ scattered throughout; a shower of rain at 4h. 19m. which lasted 2m.	
8	C	Overcast with ≀, moving NE.	
8	C	" "	
6	C	≀ scattered throughout.	
3	C	≀ scattered about hor.; a shower of rain at 8h. 30m. which lasted 2m.	
3	K	≀ scattered about hor., moving NE.	
3	K	" "	
5	K	Masses of ≀, moving NE; a shower of rain at 11h. 44m. which lasted 1m.	
6	K	≀ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 85°2. Daily fall of rain by Osler's gauge 0.07in.
6	B	" "	
4	B	" "	
7	B	Densely clouded with ≀.	
3	B	Masses of ≀ lying about hor.; a few drops of rain between 4h. 3m. and 4h. 6m.	
3	C	≀ scattered about hor.	
5	C	≀ around hor.; ≀ scattered throughout.	
6	C	≀ and ≀ scattered throughout, former moving NE.	
5	C	≀ scattered about, moving NE.	
4	L	" "	
7	K	Densely clouded with ≀.	
5	K	≀ and ≀ scattered about.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 28th-Noon.	29.731	28.823	89°2	80°2	9°0	76°9	0.68	87°5	85°2	SW	0.3					
1 p. m.	.719	.730	89.0	82.0	7.0	79.6	.75	88.0	85.3	WSW	0.3					
2 „	.696	.685	87.0	82.0	5.0	80.3	.81	86.7	85.3	„	0.2	0.02				
3 „	.690	.730	86.0	80.8	5.2	78.7	.80	85.8	85.4	„	0.2					
4 „	.679	.705	86.4	81.0	5.4	79.1	.80	86.2	85.3	„	0.2					
5 „	.687	.698	87.0	81.5	5.5	79.6	.79	86.2	85.3	SW	0.2					
6 „	.694	.748	85.0	80.0	5.0	78.2	.81	85.0	85.1	SW b W	0.1		None.	None.	None.	None.
7 „	.709	.760	83.6	79.7	3.9	78.3	.85	83.9	85.0	SW	0.2					
8 „	.717	.753	83.4	80.0	3.4	78.8	.86	83.5	84.8	„	0.2					
9 „	.717	.744	82.5	80.0	2.5	79.1	.90	83.0	84.7	SW b W	0.2	0.01				
10 „	.728	.779	82.4	79.4	3.0	78.3	.88	82.6	84.6	„	0.3					
11 „	.725	.760	81.8	79.6	2.2	78.8	.91	82.0	84.5	„	0.2	0.03				
June 29th-Midnight	.711	.770	81.6	79.0	2.6	78.0	.89	82.0	84.3	SW b W	0.2					
1 a. m.	.689	.736	81.7	79.3	2.4	78.4	.90	82.1	84.3	WSW	0.2					
2 „	.681	.759	81.5	78.5	3.0	77.4	.88	81.9	84.1	„	0.1					
3 „	.677	.750	81.4	78.6	2.8	77.6	.89	81.8	84.0	„	0.3					
4 „	.677	.762	81.3	78.3	3.0	77.2	.88	81.8	83.9	SW b W	0.2					
5 „	.689	.764	81.2	78.5	2.7	77.5	.89	81.7	83.8	„	0.2					
6 „	.711	.770	81.6	79.0	2.6	78.0	.89	82.0	83.8	SW	0.1					
7 „	.723	.744	82.0	80.0	2.0	79.3	.92	82.5	83.9	„	0.0					
8 „	.732	.736	84.4	81.0	3.4	79.8	.87	84.3	84.0	„	0.1					
9 „	.733	.757	87.0	81.2	5.8	79.2	.78	86.2	84.3	SW b W	0.2					
10 „	.745	.758	87.6	81.6	6.0	79.5	.78	87.0	84.6	„	0.2					
11 „	.748	.723	89.0	82.8	6.2	80.7	.77	87.8	84.8	„	0.2		None.	None.	None.	None.
Noon.	.749	.715	89.0	83.0	6.0	81.0	.78	87.7	85.1	SW	0.2					
1 p. m.	.733	.699	90.3	83.3	7.0	81.0	.75	88.5	85.5	WSW	0.2					
2 „	.723	.707	90.6	83.0	7.6	80.5	.73	89.0	85.7	„	0.3					
3 „	.712	.706	90.6	82.8	7.8	80.1	.72	89.1	86.0	W b S	0.2					
4 „	.699	.657	87.4	82.8	4.6	81.3	.83	86.4	86.0	WSW	0.1	0.02				
5 „	.699	.721	86.4	81.1	5.3	79.3	.80	86.0	85.8	W b S	0.1					
6 „	.710	.754	85.1	80.3	4.8	78.5	.81	85.1	85.5	„	0.1					
7 „	.720	.761	83.8	80.0	3.8	78.6	.85	84.1	85.3	„	0.1					
8 „	.730	.764	83.2	80.0	3.2	78.9	.87	83.6	85.1	SW b W	0.1					
9 „	.733	.759	83.2	80.2	3.0	79.1	.88	83.5	85.0	„	0.1					
10 „	.739	.771	83.0	80.0	3.0	78.9	.88	83.3	84.8	„	0.2					
11 „	.735	.779	83.0	79.7	3.3	78.5	.87	83.0	84.7	WSW	0.2					
June 30th-Midnight	.724	.775	82.4	79.4	3.0	78.3	.88	82.8	84.6	W b S	0.2					
1 a. m.	.711	.755	82.2	79.5	2.7	78.5	.89	82.9	84.4	„	0.1					
2 „	.701	.752	82.0	79.3	2.7	78.3	.89	82.6	84.4	„	0.1					
3 „	.693	.768	81.6	78.6	3.0	77.5	.88	82.1	84.3	„	0.2					
4 „	.690	.781	81.1	78.1	3.0	76.9	.88	81.9	84.1	„	0.1					
5 „	.698	.757	81.6	79.0	2.6	78.0	.89	82.1	84.0	W	0.1					
6 „	.714	.751	82.0	79.6	2.4	78.8	.90	82.4	84.0	„	0.1					
7 „	.730	.769	83.6	80.0	3.6	78.7	.86	83.5	84.1	W b N	0.1					
8 „	.742	.759	84.8	80.8	4.0	79.4	.84	84.8	84.3	W b S	0.1					
9 „	.747	.760	87.2	81.5	5.9	79.5	.79	86.5	84.6	„	0.2					
10 „	.742	.742	88.0	82.0	6.0	80.0	.78	87.2	85.0	W	0.2					
11 „	.740	.741	89.8	82.4	7.4	80.0	.74	88.2	85.2	„	0.2		None.	None.	None.	None.
Noon.	.741	.765	90.2	82.0	8.2	79.2	.71	88.5	85.5	„	0·2					
1 p. m.	.725	.677	90.7	83.7	7.0	81.4	.75	88.9	85.8	SW b W	0.3					
2 „	.722	.717	90.8	82.8	8.0	80.1	.72	89.3	86.1	„	0.2					
3 „	.713	.710	91.0	82.8	8.2	80.1	.71	89.3	86.2	„	0.2					
4 „	.703	.745	89.0	81.3	7.7	78.6	.72	87·7	86.2	SW b S	0.2					
5 „	.704	.699	85.6	81.5	4.1	80.1	.84	85.5	86.1	„	0.2	0.02				
6 „	.710	.718	84.7	81.0	3.7	79.7	.86	85.0	85.8	WSW	0.1					
7 „	.716	.714	83.8	81.0	2.8	80.0	.89	84.2	85.4	„	0.1					
8 „	.728	.796	83.6	79.3	4.3	77.7	.83	84.0	85.3	SW b W	0·2					
9 „	.741	.811	83.4	79.2	4.2	77.7	.83	83.8	85.2	„	0.2					
10 „	.759	.798	83.6	80.0	3.6	78.7	.86	83.6	85.1	„	0.2					
11 „	.748	.774	83.2	80.2	3.0	79.1	.88	83.5	85.0	SW	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
7	K	Densely clouded with masses of ≀⌒.	
7	K	Densely clouded with ≀⌒ and ≀; a shower of rain at 1h. 34m., which lasted 2m.	
8	L	Overcast with ≀⌒ and ≀, former moving NE.	
8	L	" "	
8	L	" "	
5	C	≀⌒ and ≀≀ scattered about.	
5	C	≀⌒ and dense ≀ scattered about.	
6	C	"	
5	C	Masses of ≀⌒ scattered about hor.; hazy; a shower of rain at 8h. 40m. which lasted 1m.	
5	K	≀⌒ scattered about.	
4	K	≀⌒ scattered about; a shower of rain at 10h. 35m. which lasted 2m.	
4	K	≀⌒ scattered about hor.	
5	K	≀⌒ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2. Daily fall of rain by Osler's gauge 0.02in.
5	B	" "	
4	B	" "	
2	B	≀⌒ scattered around hor.	
2	B	"	
4	C	Masses of ≀⌒, moving NE.	
8	C	Overcast with ≀⌒; a few drops of rain at 6h. 32m.	
8	C	Overcast; no rain.	
6	C	≀⌒ scattered throughout.	
6	K	"	
6	K	"	
4	K	"	
4	K	≀⌒ scattered about.	
3	L	≀⌒ scattered about hor.	
3	L	Masses of ≀⌒ about zth. and around hor.	
4	L	Masses of ≀⌒ scattered about; light rain at 3h. 46m. which lasted 5m.	
7	L	Densely clouded with ≀⌒.	
4	C	Masses of ≀⌒, moving NE.	
5	C	" "	
6	C	≀⌒ and ≀ scattered throughout.	
3	C	≀⌒ scattered about hor., moving NE.	
3	K	" "	
3	K	" "	
4	K	Dense ≀⌒ scattered about hor.; drops of rain at the time of observation.	
5	K	Masses of ≀⌒ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2. Daily fall of rain by Osler's gauge 0.02in.
2	B	≀⌒ scattered about hor.	
2	B	"	
2	B	≀⌒ in dense masses scattered about hor.; a few drops of rain at 3h. 18m.	
3	B	≀⌒ scattered about hor.	
8	C	Overcast with ≀⌒, moving NE.	
5	C	≀⌒ scattered throughout, moving NE.	
6	C	" "	
5	C	" "	
6	K	" "	
4	K	" "	
5	K	" "	
4	K	" "	
3	L	" "	
4	L	≀⌒ scattered about, moving ENE.	
3	L	Masses of ≀⌒ scattered about, moving NE; a few drops of rain at 3h. 35m.	
3	L	Clouded with ≀⌒ as at 3m., a few drops of rain fell at 4h. 44m.	
6	C	≀⌒ and ≀≀ scattered about, both moving NE.	
7	C	" "	
7	C	" "	
6	C	≀⌒ scattered throughout, moving NE.	
7	K	" "	
7	K	≀⌒ and ≀ scattered throughout, former moving NE.	
7	K	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 1st-Midnight	29.747	28.792	82°6	79°6	3°0	78°5	0.88	83°0	84°8	SW	0·3					
1 a. m.	.722	.730	82.4	80.4	2.0	79.7	.92	83.0	84.7	„	0·1					
2 „	.710	.747	82.3	79.7	2.6	78.8	.89	82.9	84.7	„	0.0					
3 „	.693	.744	82.0	79.3	2.7	78.3	.89	82.5	84.6	„	0.1					
4 „	.694	.766	81.7	78.7	3.0	77.6	.88	82.2	84.5	SW b W	0.0					
5 „	.704	.763	81.6	79.0	2.6	78.0	.89	82.0	84.3	„	0.2					
6 „	.720	.767	82.0	79.4	2.6	78.4	.89	82.4	84.2	SW	0.1					
7 „	.724	.752	83.4	80.2	3.2	79.1	.87	83.6	84.2	SW b S	0.1					
8 „	.743	.779	85.7	80.6	5.1	78.8	.81	85.6	84.5	SW	0·2					
9 „	.745	.734	87.0	82.0	5.0	80.3	.81	86.4	84.8	„	0.2					
10 „	.752	.752	88.0	82.0	6.0	80.0	.78	87.0	85.0	SW b W	0.2					
11 „	.750	.725	89.8	83.0	6.8	80.7	.76	88.2	85.3	„	0.2					
Noon.	.739	.734	90.0	82.6	7.4	80.1	.74	88.3	85.5	„	0.2	None.	None.	None.	None.	None.
1 p. m.	.727	.717	91.2	83.0	8.2	80.3	.71	89.3	85.9	WSW	0·4					
2 „	.725	.798	90.6	81.0	9.6	77.6	.67	89.2	86.2	„	0.4					
3 „	.712	.816	89.5	80.0	9.5	76.5	.67	88.3	86.2	„	0·3					
4 „	.705	.740	89.6	81.6	8.0	78.8	.71	88.5	86.3	„	0·4					
5 „	.702	.779	87.8	80.2	7.6	77.4	.72	86.7	86.1	W	0·4					
6 „	.715	.775	85.5	80.0	5.5	78.0	.79	85.2	85.8	„	0.3					
7 „	.731	.806	83.1	79.0	4.1	77.5	.84	83.3	85.5	„	0.3					
8 „	.738	.837	82.6	78.3	4.3	76.7	.83	83.3	85.2	„	0.0					
9 „	.747	.779	83.0	80.0	3.0	78.9	.88	83.2	85.2	SW b W	0.2					
10 „	.749	.777	82.6	80.0	2.6	79.1	.90	83.0	85.0	„	0.2					
11 „	.745	.790	82.6	79.6	3.0	78.5	.88	83.0	84.9	SW	0.0					
July 2nd-Midnight	.734	.785	82.4	79.4	3.0	78.3	.88	83.0	84.7	SW	0.2					
1 a. m.	.724	.803	82.3	78.7	3.6	77.4	.86	82.9	84.7	SW b W	0.0					
2 „	.717	.796	82.0	78.6	3.4	77.4	.86	82.6	84.6	SW	0.0					
3 „	.717	.796	82.0	78.6	3.4	77.4	.86	82.4	84.5	„	0.1					
4 „	.709	.763	81.2	79.0	2.2	78.2	.91	81.9	84.3	SW b W	0.1	0.01				
5 „	.721	.803	81.0	78.3	2.7	77.3	.89	81.7	84.2	„	0.2					
6 „	.740	.817	81.4	78.5	2.9	77.4	.88	82.0	84.2	„	0.1					
7 „	.757	.791	83.2	80.0	3.2	78.9	.87	83.4	84.2	„	0.1					
8 „	.767	.781	85.6	81.1	4.5	79.5	.83	85.2	84.5	SW	0.1					
9 „	.771	.795	87.0	81.2	5.8	79.2	.78	86.4	84.8	„	0.2					
10 „	.767	.763	88.8	82.3	6.5	80.1	.76	87.6	85.2	SSW	0.2					
11 „	.768	.769	89.8	82.4	7.4	79.9	.74	88.3	85.4	SW	0.4					
Noon.	.760	.749	87.8	82.2	5.6	80.3	.79	86.5	85.5	SW b W	0.2					
1 p. m.	.755	.773	89.6	82.0	7.6	79.4	.73	88.2	85.5	„	0.2	0.04				
2 „	.739	.727	91.0	83.0	8.0	80.3	.72	89.4	85.8	WSW	0.2					
3 „	.729	.742	89.2	82.0	7.2	79.5	.74	88.2	85.8	„	0.1					
4 „	.721	.784	87.4	80.4	7.0	77.9	.74	86.2	86.1	„	0.2					
5 „	.717	.732	85.4	81.0	4.4	79.5	.83	85.3	85.6	W b S	0.2	0.14				
6 „	.734	.769	84.5	80.3	4.2	78.8	.83	84.8	85.5	„	0.1					
7 „	.743	.777	83.2	80.0	3.2	78.9	.87	83.5	85.3	W	0.1					
8 „	.749	.803	82.3	79.3	3.0	78.2	.88	83.0	85.0	W b S	0.1					
9 „	.752	.809	82.2	79.2	3.0	78.1	.88	83·0	85.0	WSW	0.1					
10 „	.758	.828	81.9	78.8	3.1	77.7	.87	82.5	84.8	„	0·1					
11 „	.750	.841	81.8	78.3	3.5	76.9	.86	82.4	84.6	„	0.1					
July 4th-Midnight	.728	.793	82.2	79.0	3.2	77.8	.87	82.8	84.6	W	0.0					
1 a. m.	.717	.792	81.6	78.6	3.0	77.5	.88	82.2	84.6	„	0.0					
2 „	.692	.767	81.6	78.6	3.0	77.5	.88	82.1	84.5	W b N	0.0					
3 „	.682	.779	81.3	78.0	3.3	76.7	.87	82.0	84.3	W	0.0					
4 „	.686	.782	81.2	78.0	3.2	76.8	.87	81.7	84.2	„	0·0					
5 „	.701	.795	81.0	78.0	3.0	76.8	.88	81.7	84.1	W b S	0.0	None.	None.	None.	None.	None.
6 „	.721	.801	80.8	78.3	2.5	77.3	.90	81.4	84.1	WSW	0.0					
7 „	.738	.805	82.4	79.0	3.4	77.8	.86	82.7	84.1	„	0·0					
8 „	.749	.760	85.0	81.0	4.0	79.6	.84	85.0	84.3	„	0.2					
9 „	.750	.853	86.0	79.1	6.9	76.2	.74	85.4	84.5	SW b S	0.1					
10 „	.754	.835	86.3	79.7	6.6	77.3	.75	85.7	84.6	W	0.0					
11 „	.751	.780	88·2	81.4	6.8	79.0	.75	86.8	84.8	W b S	0·1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ∩≀ nimbi.	
4	K	∩≀ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2.
4	B	" "	
7	B	∩≀ scattered throughout.	
4	B	∩≀ scattered about hor.	
2	B	"	
5	C	∩≀ and ≀ scattered about.	
6	C	∩≀ scattered throughout.	
3	C	∩≀ scattered about hor.	
7	C	∩≀ scattered throughout.	
5	K	"	
5	K	"	
6	K	"	
5	K	"	
4	L	"	
7	L	∩≀ and ≀ scattered throughout, moving NE.	
7	L	" "	
6	L	∩≀ in SE and S; ∩≀ scattered about.	
3	C	∩≀ scattered about hor.	
8	C	Overcast with ∩≀ and ∩≀, former moving ENE.	
8	C	" "	
7	C	" "	
3	K	∩≀ scattered about hor., moving NE.	
2	K	" "	
3	K	Masses of ∩≀, moving NE.	
5	K	∩≀ scattered about, moving NE; a few drops of rain at 0h. 7m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2. Daily fall of rain by Osler's gauge 0.24in.
1	B	Masses of ∩≀ around hor., moving NE.	
2	B	" "	
4	B	Masses of ∩≀ scattered about; a passing shower of rain at 3h. 11m.	
2	B	∩≀ scattered about.	
4	C	"	
5	C	"	
2	C	"	
4	C	"	
3	L	"	
4	L	"	
7	L	Densely clouded with ∩≀; passing drops of rain at 11h. 12m. and at 11h. 56m.	
7	L	Densely clouded with ∩≀; light rain at 12h. which lasted 5m.	
5	K	∩≀ scattered about, moving NE.	
6	K	" "	
7	K	" "	
8	K	Overcast with ∩≀; light rain at 4h. 5m. which ceased at 4h. 33m.; rainbow in E.	
3	B	∩≀ and ∩≀ scattered about, former moving NE.	
3	B	" "	
4	B	Masses of ∩≀ scattered about, moving ENE.	
1	B	Masses of ∩≀ scattered about hor.	
1	B	"	
1	B	"	
2	B	"	
5	C	Masses of ∩≀ scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2.
4	K	" "	
5	K	" "	
5	K	" "	
5	K	" "	
3	L	" "	
7	L	∩≀ around hor.; ≀ scattered throughout.	
7	L	∩≀ and ≀ scattered throughout, former moving NE.	
7	L	" "	
7	C	" "	
6	C	" "	
7	C	∩≀ scattered about hor.; ≀ scattered throughout.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the full force of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 4th–Noon.	29.740	28.825	89°4	80°4	9.0	77°2	0.68	87°6	85°1	W	1.0					
1 p. m.	.718	.804	90.2	80.6	9.6	77.1	.67	88.2	85.3	WNW	0.2					
2 „	.706	.795	90.6	80.6	10°0	77.0	.66	88.5	85.5	„	0.2					
3 „	.687	.733	90.6	81.6	9.0	78.5	.69	88.8	85.7	„	0.3					
4 „	.678	.748	88.0	80.4	7.6	77.7	.72	87.0	85.8	NW b N	0.3					
5 „	.693	.745	85.6	80.2	5.4	78.3	.79	85.6	85.6	NW	0.2	None.	None.	None.	None.	None.
6 „	.707	.777	85.0	79.6	5.4	77.7	.79	84.8	85.5	„	0.2					
7 „	.726	.809	84.6	79.2	5.4	77.2	.79	84.6	85.4	NW b N	0.2					
8 „	.727	.791	84.4	79.6	4.8	77.9	.81	84.4	85.3	„	0.2					
9 „	.754	.831	84.0	79.2	4.8	77.4	.81	84.0	85.1	„	0.1					
10 „	.764	.819	83.6	79.6	4.0	78.2	.84	84.0	85.0	NNW	0.1					
11 „	.762	.817	83.6	79.6	4.0	78.2	.84	83.9	84.8	NW	0.1					
July 5th–Midnight	.750	.807	83.4	79.5	3.9	78.1	.85	83.9	84.8	NNW	0.1					
1 a. m.	.726	.752	83.2	80.2	3.0	79.1	.88	83.4	84.7	„	0.0					
2 „	.726	.758	83.0	80.0	3.0	78.9	.88	83.3	84.7	NW b N	0·0		+	4		0·12
3 „	.721	.761	83.0	79.8	3.2	78.7	.87	83.2	84.7	SW b S	0.0					
4 „	.743	.785	82.4	79.6	2.8	78.6	.89	82.8	84.6	„	0.0	0.01	+	Out of Sc.	25	0.03
5 „	.757	.761	82.0	80.4	1.6	79.8	.93	82.3	84.5	ENE	0.3	0.05				
6 „	.755	.813	80.4	78.7	1.7	78.1	.93	81.0	84.4	NE b N	0.1	0.03				
7 „	.748	.815	80.0	78.4	1.6	77.8	.93	80.3	84.1	N	0.3					
8 „	.785	.846	81.8	79.0	2.8	78.0	.89	82.3	84.2	WNW	0.1					
9 „	.787	.861	83.0	79.0	4.0	77.5	.84	83.0	84.3	N b W	0.1					
10 „	.791	.841	85.4	80.2	5.2	78.3	.80	85.0	84.5	NE	0.1					
11 „	.795	.801	84.5	81.0	3.5	79.8	.86	85.6	84.6	ENE	0.1					
Noon.	.793	.793	87.2	81.8	5.4	80.0	.80	86.5	84.8	NNW	0.1					
1 p. m.	.765	.798	83.6	81.4	7.2	78.9	.74	87.2	85.1	„	0.2					
2 „	.753	.777	89.0	81.7	7.3	79.2	.74	87.8	85.3	„	0.2					
3 „	.736	.755	87.8	81.5	6.3	79.4	.77	87.2	85.4	NW b N	0.2					
4 „	.717	.752	87.2	81.0	6.2	78.8	.77	86.7	85.4	NW	0.2					
5 „	.707	.781	87.6	80.2	7.4	77.4	.73	86.8	85.7	„	0.2					
6 „	.714	.792	86.4	79.8	6.6	77.3	.75	85.8	85.7	„	0.2					
7 „	.729	.814	85.1	79.3	5.8	77.2	.78	85.1	85.5	NW b W	0.1					
8 „	.741	.807	84.6	79.6	5.0	77.8	.81	84.6	85.3	„	0.1					
9 „	.753	.812	84.0	79.6	4.4	78.0	.83	74.0	85.0	NW	0.2					
10 „	.761	.810	83.8	79.8	4.0	78.4	.84	83.9	85.0	„	0.1					
11 „	.763	.825	83.4	79.4	4.0	77.9	.84	83.5	84.9	„	0.1					
July 6th–Midnight	.752	.812	83.2	79.4	3.8	78.0	.85	83.5	84.8	NW	0.0					
1 a. m.	.722	.772	82.8	79.5	3.3	78.3	.87	83.0	84.8	„	0.0					
2 „	.710	.780	82.6	79.0	3.6	77.7	.86	83.0	84.6	NW b W	0.2					
3 „	.714	.784	82.6	79.0	3.6	77.7	.86	82.8	84.6	„	0.0					
4 „	.706	.779	82.2	78.8	3.4	77.6	.86	82.6	84.5	NW	0.2					
5 „	.709	.770	81.8	79.0	2.8	78.0	.89	82.3	84.5	„	0.1					
6 „	.732	.731	82.2	79.4	2.8	78.4	.89	82.7	84.4	„	0.1					
7 „	.748	.825	84.0	79.2	4.8	77.4	.81	84.0	84.5	„	0.1					
8 „	.762	.834	86.6	80.0	6.6	77.6	.76	85.8	84.7	„	0.1					
9 „	.768	.822	87.7	80.7	7.0	78.2	.74	86.7	84.8	NW b W	0.1					
10 „	.767	.813	88.2	81.0	7.2	78.5	.74	87.1	85.0	„	0.2					
11 „	.759	.801	89.4	81.4	8.0	78.6	.71	87.9	85.4	W b N	0.1	None.	None.	None.	None.	None.
Noon.	.743	.776	90.0	82.0	8.0	78.9	.72	88.5	85.5	NW	0.2					
1 p. m.	.718	.767	90.5	81.5	9.0	78.4	.69	89.0	85.7	N b W	0.2					
2 „	.709	.765	91.6	81.6	10.0	78.1	.66	89.3	86.0	W b N	0.2					
3 „	.688	.731	92.0	82.0	10.0	78.7	.66	90.0	86.3	NW	0.2					
4 „	.665	.721	90.3	81.3	9.0	78.1	.68	88.8	86.3	NW b W	0.2					
5 „	.673	.717	88.0	81.0	7.0	78.5	.74	87.4	86.3	WNW	0.3					
6 „	.671	.700	86.6	81.0	5.6	79.0	.79	86.3	86.1	„	0.2					
7 „	.679	.737	85.4	80.0	5.4	78.1	.79	85.5	85.9	NW b W	0.1					
8 „	.690	.742	84.8	80.0	4.8	78.3	.81	85.1	85.8	NW	0.0					
9 „	.715	.781	84.2	79.5	4.7	77.8	.82	84.4	85.6	„	0.0					
10 „	.721	.796	83.8	79.2	4.6	77.5	.82	84.0	85.5	„	0.0					
11 „	.705	.778	83.3	79.1	4.2	77.6	.83	83.7	85.2	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≥ cirro-cumuli; ≥ cumuli; ≤— cirro-strati; ≥— cumulo-strati; and ≥— nimbi.	
6	C	≥— scattered about hor.; ≤ scattered throughout.	
5	K	" "	
6	K	" "	
6	K	" "	
8	K	Overcast with ≥—, moving NE.	
8	L	Overcast with ≥—, moving E.	
8	L	" "	
7	L	≥— and ≤ scattered about, former moving E.	
7	L	" "	
8	C	Overcast with light ≤ and light ≥—, latter moving E.	
5	C	≥— around hor.; ≤ scattered about; lightning in ESE every minute's interval.	
8	C	Overcast with ≥— and ≤, former moving E; lightning in ESE every 2m.	
8	C	Overcast with ≥— and ≤, former moving E; lightning in ESE every 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 85°2. Daily fall of rain by Osler's gauge 0.11in.; the reading of barometer at 11 A. M. was 29.795in. greatest in the month, and about 0.126in. greater than the normal mean.
8	K	Overcast; lightning in E hor. every 18s.	
8	K	Overcast; lightning along E hor. every 9s.; light rain commenced at 2h. 32m.	
8	K	Overcast; continuous lightning in N and NE hor.; raining lightly.	
8	K	" " " "	
8	L	Overcast with ≥—, moving W; lightning and thunder in S at 5h. 38m.; raining lightly.	
8	L	Overcast with ≥—, moving SW.	
8	L	Overcast with ≥—, moving S.	
8	L	" "	
8	C	" "	
8	C	Overcast with ≥—, moving ENE.	
8	C	" "	
8	C	" "	
8	K	" "	
8	K	" "	
8	K	" "	
7	K	Densely clouded with ≤, ≥≤, and ≥—, moving NNE.	
7	L	≤ and ≥— scattered throughout, latter moving E.	
7	L	≥— around hor.; ≤ scattered throughout.	
6	L	" "	
5	L	≥— around hor.; ≤ scattered about; a lunar-halo.	
4	C	≥— around hor.; ≤ scattered about, former moving E.	
4	C	" " "	
5	C	" " "	
3	C	≥— scattered about hor.; ≤ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°4.
3	K	≥— scattered about, moving ENE.	
3	K	" "	
3	K	" "	
3	K	" "	
4	L	≥— around hor.; ≤ scattered about, former moving ENE.	
4	L	" " "	
4	L	" " "	
5	L	≤ in S hem.; ≥— scattered about, moving E; ≥≤ in E and SE.	
4	C	≥— around hor.; ≤ scattered about.	
4	C	≤ above W hor.; ≥— scattered about, moving E.	
4	C	≥— around hor.; ≥≤ above SSE hor.; ≤ scattered throughout.	
3	C	≥— scattered around hor.; a few ≤ above W hor.	
6	K	≥— and ≤ scattered throughout, former moving E.	
6	K	" "	
6	K	" "	
7	K	≥— and ≤ scattered about, former moving NE.	
8	L	≥— and ≤ scattered about, former moving E.	
8	L	" "	
7	L	≥— and ≥≤ scattered throughout, both moving E.	
6	L	" "	
8	C	" "	
6	C	≥— around hor.; ≤ scattered throughout.	
5	C	≥— and ≤ scattered about, former moving E.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds to the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 7th-Midnight	29.705	28.819	82°8	78°0	4°8	76°2	0.81	83°4	85°1	NW	0.0					
1 a. m.	.681	.795	82.8	78.0	4.8	76.2	.81	83.0	85.0	WSW	0·0					
2 „	.677	.791	82.8	78.0	4.8	76.2	.81	83.0	84.9	„	0·2					
3 „	.672	.798	82.4	77.6	4.8	75.7	.81	82.8	84.8	„	0.0					
4 „	.678	.803	82.0	77.5	4.5	75.8	.82	82.4	84.7	„	0.0					
5 „	.687	.784	82.0	78.2	3.8	76.7	.85	82.7	84.6	„	0.0					
6 „	.705	.758	82.6	79.4	3.2	78.2	.87	83.0	84.6	„	0.0					
7 „	.715	.756	83.8	80.0	3.8	78.6	.85	83.7	84.7	SW	0.0					
8 „	.728	.778	85.4	80.2	5.2	78.3	.80	85.2	84.8	„	0.1					
9 „	.743	.783	87.6	81.0	6.6	78.7	.76	86.7	85.0	„	0·0					
10 „	.749	.815	87.7	80.4	7.3	77.8	.73	87.0	85.2	W	0.0					
11 „	.741	.776	89.2	81.5	7.7	78.8	.72	87.6	85.4	„	0.1	None.	None.	None.	None.	None.
Noon.	.731	.779	90.8	81.6	9.2	78.4	.68	88.5	85.7	W b S	0.1					
1 p. m.	.710	.719	91.7	82.7	9.0	79.7	.69	89.8	85.9	WSW	0·2					
2 „	.698	.706	92.0	82.8	9.2	79.7	.68	90.0	86.3	„	0·2					
3 „	.676	.689	92.4	82.8	9.6	79.5	.67	90.4	86.5	W	0·2					
4 „	.664	.694	91.6	82.2	9.4	79.0	.68	89.8	86.6	„	0·2					
5 „	.663	.692	89.8	81.8	8.0	79.0	.72	88.4	86.7	„	0·2					
6 „	.666	.723	87.6	80.6	7.0	78.1	.74	86.8	86.5	„	0·3					
7 „	.682	.747	86.0	80.0	6.0	77.8	.77	86.1	86.2	W b N	0·1					
8 „	.697	.747	85.4	80.2	5.2	78.3	.80	85.4	85.8	„	0·1					
9 „	.712	.766	84·8	80.0	4.8	78.2	.81	85.0	85.7	W b S	0·0					
10 „	.720	.769	84.4	80.0	4.4	78.4	.83	84.6	85.7	WSW	0.0					
11 „	.704	.745	83.8	80.0	3.8	78.6	.85	84.0	85.5	W b N	0.1					
July 8th-Midnight	.694	.741	83.6	79.8	3·8	78.4	.85	84.0	85.4	WNW	0.2					
1 a. m.	.677	.735	83.5	79.5	4.0	78.1	.84	83.8	85.4	„	0.2					
2 „	·667	·729	83.4	79.4	4.0	77.9	.84	83.8	85.3	„	0.2					
3 „	.662	.729	81.6	78.8	2.8	77.8	.89	82.8	85.2	„	0.0					
4 „	.666	.716	81.6	79.2	2.4	78.3	.90	82.0	84.9	NW b N	0.0					
5 „	·668	.719	82.4	79.4	3.0	78.3	.88	83.0	85.0	„	0.1					
6 „	.786	.700	82.6	80.3	2.3	79.5	.91	83.1	85.0	N	0.1					
7 „	.710	.747	84.2	80.2	4.0	78.8	.84	84.4	85.1	NW b W	0.1					
8 „	·716	.751	85.2	80.5	4.7	78.8	.82	85.2	85.2	„	0.0					
9 „	.722	.748	86.4	81.0	5.4	79.1	.79	86·0	85.1	W	0.0					
10 „	.727	·753	86.4	81.0	5.4	79.1	.79	86·0	85.1	NW	0·2	0·05				
11 „	.722	.770	88.4	81.0	7·4	78.4	.73	87.0	85.4	„	0·1					
Noon.	.710	.728	89.6	82.0	7.6	79.4	.73	88.1	85.7	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.686	.745	90.2	81.2	9.0	78.0	.68	88.5	86.0	„	0.4					
2 „	.663	.693	90.7	82.0	8.7	79.0	.70	89.2	86.2	„	0·2					
3 „	·651	.697	90.6	81.6	9.0	78.5	.69	89.2	86.3	„	0.3					
4 „	.633	.695	89.6	81.0	8.6	77.9	.70	88.2	86.4	„	0.4					
5 „	.638	.682	88.0	81.0	7.0	78.5	.74	87.2	86.4	„	0.3					
6 „	·646	.679	87.0	81.0	6.0	78.9	.78	86.4	86.3	„	0·2					
7 „	.665	.774	85.4	78.8	6.6	76.3	.75	85.4	86.2	„	0·3					
8 „	.677	.716	85.2	80.4	4.8	78.7	.81	85.2	86.0	„	0·2					
9 „	.694	.764	84.6	79.8	4.8	77.7	.80	84.8	85.7	„	0·1					
10 „	.716	.752	84.6	80.3	4.3	78.8	.83	84.8	85.5	W b N	0.2					
11 „	.712	.780	84.2	79.3	4.9	77.7	.81	84.3	85.2	„	0·2					
July 9th-Midnight	.701	.786	83.8	79.0	4.8	77.2	.81	84.0	85.2	W b N	0.2					
1 a. m.	.683	.751	83.6	79.3	4.3	77.7	.83	83.8	85.4	NW b W	0.2					
2 „	.678	.744	83.0	79.2	3.8	77.8	.85	83.5	85.3	„	0.1					
3 „	.665	.719	82.7	79.4	3.3	78.2	.87	83.2	85.1	SW b W	0.0					
4 „	.659	.700	82.7	79.7	3.0	78.6	.88	83.1	85.1	SSW	0.0					
5 „	.659	.695	82.6	79.8	2.8	78.8	.89	83.0	85.0	E b N	0.1					
6 „	.681	.709	80.8	79.5	1.3	79.1	.94	80.8	84.9	SE b S	0.3					
7 „	.693	.703	81.0	80.0	1.0	79.6	.96	81.8	84.6	SW b S	0.1	0.22	None.	None.	None.	None.
8 „	.705	.681	85.0	81.8	3.2	80.7	.87	84.6	85.1	E	0·2					
9 „	.714	.696	86.4	82.0	4.4	80.5	.83	85.9	85.3	„	0·1					
10 „	.721	.710	87.8	82.2	5.6	80.3	.79	87.0	85.3	„	0.0					
11 „	.715	.708	87.4	82.0	5.4	80.2	.80	86.6	85.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu cumulo-strati; and Ni nimbi.	
4	C	Cc scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°4. The temperature of external and free air at 3 P. M. was 92°4 greatest in the month, and about 6°4 greater than the normal mean.
5	K	" "	
5	K	Cc scattered about; hazy.	
3	K	Cc scattered about hor., moving E.	
3	K	" "	
7	L	Cc and Ci scattered throughout; a few Cc in W.	
7	L	Cc, Cc, and Ci scattered throughout.	
7	L	Cc and Ci scattered throughout, former moving E.	
6	L	Cc and Ci scattered throughout, former moving NE.	
6	C	" "	
5	C	Cc scattered about, moving ENE.	
6	C	" "	
4	C	" "	
3	K	Cc scattered about, moving ESE.	
4	K	" "	
4	K	Cc scattered about, moving E.	
3	K	" "	
2	L	Cc and Ci scattered about hor.	
3	L	"	
6	L	Dense Cc and Ci scattered about.	
4	L	Cc around hor.; Ci scattered about.	
6	C	Dense Cc and Ci scattered about.	
4	C	Cc scattered about, moving E; passing rain at 10h. 21m.	
2	C	Cc scattered around hor., moving E.	
3	C	Cc scattered about hor., moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°4. Daily fall of rain by Osler's gauge 0.07in.
8	K	Cc and Ci scattered about, former moving NE.	
8	K	Overcast with Cc and Ci; a few drops of rain at 2h.	
4	K	Cc scattered about hor., moving NE.	
8	K	Overcast with Cc and Ci, former moving NE.	
4	L	Cc scattered about hor., moving NE; a few Cc in E.	
6	L	Cc scattered about, moving ESE.	
5	L	Cc scattered in E hem. and along W hor., moving E; a few Cc above W hor.	
6	L	Cc scattered about, moving E.	
8	C	Overcast; breaks about hor.; light rain from 9h. to 9h. 15m.	
5	C	Cc scattered about, moving E; a few Ci above W hor.	
4	C	" "	
5	C	Cc and Ci scattered about, former moving E.	
5	K	Cc scattered about, moving E.	
5	K	" "	
6	K	Cc and Ci scattered about, both moving SE.	
7	K	Densely clouded with Cc and Ci, the former moving E.	
6	L	" "	
7	L	" "	
7	L	Cc around hor.; Ci scattered throughout.	
6	L	Cc scattered throughout, moving S.	
5	C	Cc and Ci scattered about.	
7	C	Cc and Cc scattered throughout; a few Ci in W.	
7	C	Cc around hor.; Ci scattered throughout.	
6	C	Cc and Ci scattered throughout, former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°4. Daily fall of rain by Osler's gauge 0.23in.
7	K	Clouded as before; lightning in SE hor. at every half minute.	
6	K	Densely clouded; lightning in ESE at intervals of 43s.	
6	K	Cc and Ci scattered throughout, moving ESE.	
6	K	" "	
7	L	Densely clouded with Cc and Ci; rain commenced at 5h. 57m.	
8	L	Overcast with Cc, moving E; rain ceased at 6h. 45m	
8	L	Overcast with Cc, moving NE.	
5	L	Clouded with Cc and Ci, except in zth., moving N.	
6	C	Cc and Ci scattered throughout, former moving ESE.	
6	C	Cc and Cc scattered throughout, former moving SE.	
6	C	Cc, Cc, and Ci scattered throughout.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the second degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 9th–Noon.	29.703	28.671	88°0	82°7	5°3	80°9	0.80	87°4	85°5	WSW	0.1					
1 p. m.	.684	.634	90.0	82.5	7.5	80.0	.73	88.5	85.8	NW	0.2					
2 „	.663	.678	90.6	82.3	8.3	79.5	.71	89.0	86.1	„	0.3					
3 „	.651	.644	90.6	82.8	7.8	80.2	.73	89.2	86.3	WNW	0.2					
4 „	.636	.646	90.6	82.4	8.2	79.6	.71	89.0	86.4	„	0.3					
5 „	.645	.697	88.0	80.8	7.2	78.3	.74	87.0	86.2	„	0.2	None.	None.	None.	None.	None.
6 „	.662	.718	86.8	80.4	6.4	78.1	.76	86.0	86.1	„	0.2					
7 „	.672	.717	85.8	80.4	5.4	78.5	.80	85.6	85.9	„	0.1					
8 „	.689	.707	85.6	81.0	4.6	79.4	.82	85.6	85.8	„	0.0					
9 „	.703	.740	85.0	80.4	4.6	78.8	.82	85.0	85.7	W	0.0					
10 „	.713	.763	84.6	80.0	4.6	78.3	.82	84.8	85.6	„	0.0					
11 „	.710	.776	84.2	79.5	4.7	77.8	.82	84.6	85.6	„	0.0					
July 11th–Midnight	.669	.684	83.0	80.4	2.6	79.5	.90	83.5	85.0	W	0.1					
1 a. m.	.647	.663	83.5	80.5	3.0	79.4	.88	83.5	85.2	„	0.1					
2 „	.647	.719	79.0	78.0	1.0	77.6	.96	79.5	84.8	SW	0.2	1.08				
3 „	.642	.698	79.0	78.4	0.6	78.1	.98	79.5	84.6	NW	0.0	0.33				
4 „	.642	.700	79.2	78.4	0.8	78.1	.97	80.2	84.4	N b W	0.0					
5 „	.651	.683	79.2	79.0	0.2	78.9	.99	80.0	84.3	W	0.0					
6 „	.651	.696	79.6	78.8	0.8	78.5	.97	80.3	84.2	N b E	0.0					
7 „	.658	.666	80.8	80.0	0.8	79.7	.97	81.4	84.1	NNE	0.0					
8 „	.668	.606	84.0	82.4	1.6	81.9	.93	84.2	84.3	NE	0.2					
9 „	.668	.635	85.0	82.0	3.0	81.0	.88	84.5	84.5	E	0.0					
10 „	.672	.605	86.8	83.2	3.6	82.0	.86	86.0	84.7	„	0.0					
11 „	.664	.608	87.0	83.0	4.0	81.7	.85	86.2	84.9	„	0.0					
Noon.	.651	.610	88.4	83.0	5.4	81.2	.80	87.0	85.1	W	0.1					
1 p. m.	.630	.579	89.6	83.5	6.1	81.5	.78	88.0	85.4	W b S	0.1					
2 „	.603	.525	90.6	84.3	6.3	82.3	.77	88.0	85.7	W	0.2					
3 „	.585	.553	89.2	83.0	6.2	81.0	.77	88.0	85.8	W b N	0.2					
4 „	.581	.561	88.2	82.5	5.7	80.6	.79	87.2	85.8	WNW	0.2					
5 „	.595	.564	86.0	82.2	3.8	80.9	.85	85.8	85.8	NW	0.4					
6 „	.617	.597	84.2	81.4	2.8	80.4	.89	83.8	85.7	NNW	0.4	0.02	—	Out of Sc.	.25	0·05
7 „	.632	.669	79.6	79.0	0.6	78.8	.98	79.4	85.2	NNE	0.2	0·38				
8 „	.634	.681	79.8	78.8	1.0	78.4	.96	80.6	84.8	NE b E	0·1	0.07				
9 „	.659	.717	79.7	78.5	1.2	78.1	.95	80.5	84.4	ESE	0.2	0.02	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.663	.700	79.6	79.0	0.6	78.8	.98	80.2	84.2	SE	0.2	0.04				
11 „	.622	.656	79.4	79.0	0.4	78.9	.98	80.2	84.0	„	0.0					
July 12th–Midnight	.626	.660	79.4	79.0	0.4	78.9	.98	80.1	83.9	SE	0.0					
1 a. m.	.620	.645	80.0	79.4	0.6	79.2	.98	80.5	83.9	„	0.0					
2 „	.620	.661	80.0	79.0	1.0	78.6	.96	80.5	83.7	SE b S	0.0					
3 „	.611	.633	80.2	79.5	0.7	79.3	.97	80.8	83.7	SE	0.0					
4 „	.607	.648	80.0	79.0	1.0	78.6	.96	80.5	83.7	„	0.0					
5 „	.616	.649	80.0	79.2	0.8	78.9	.97	80.5	83.7	„	0·1					
6 „	.645	.678	80.0	79.2	0.8	78.9	.97	80.6	83.6	„	0·2					
7 „	.657	.660	81.9	80.4	1.5	79.9	.94	82.0	83.7	SE b E	0.2					
8 „	.676	.676	84.0	81.0	3.0	80.0	.88	83.6	84.0	„	0.2					
9 „	.679	.648	85.2	82.0	3.2	80.9	.87	84.4	84.2	ESE	0.1					
10 „	.676	.638	86.6	82.5	4.1	81.1	.84	85.6	84.3	E b S	0.1					
11 „	.668	.598	87.0	83.3	3.7	82.1	.86	86.3	84.5	„	0.1					
Noon.	.656	.620	87.6	82.7	4.9	81.1	.82	86.7	84.8	„	0.1					
1 p. m.	.623	.531	89.3	84.3	5.0	82.8	.82	87.5	85.0	W b N	0.2					
2 „	.601	.527	89.6	84.0	5.6	82.2	.80	88.0	85.3	NW	0·2					
3 „	.589	.512	89.4	84.0	5.4	82.3	.80	88.0	85.5	NW b W	0·3	Less than one cent.				
4 „	.570	.509	90.0	83.8	6.2	81.8	.78	88.2	85.7	W b N	0·2					
5 „	.575	.530	88.0	83.0	5.0	81.3	.81	87.0	85.9	WNW	0·2		—	Out of Sc.	50	0·02
6 „	.603	.550	86.4	82.8	3.6	81.6	.86	85.9	85.8	W b N	0.2		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.612	.569	85.8	82.4	3.4	81.3	.87	85.6	85.6	NW	0·1					
8 „	.624	.560	85.4	82.8	2.6	81.9	.90	85.6	85.6	NW b W	0.0					
9 „	.643	.579	85.4	82.8	2.6	81.9	.90	85.5	85.4	„	0.2					
10 „	.652	.601	85.3	82.5	2.8	81.5	.89	85.3	85.3	WNW	0.1					
11 „	.664	.588	85.2	83.0	2.2	82.3	.91	85.0	85.3	NW	0.0		—	Out of Sc.	100	0.02

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli ⌣ cirro-strati; ≀∩ cumulo-strati; and ∩≀ nimbi.	
5	C	≀≀ and ≀ scattered about, former moving SE.	
6	K	" "	
5	K	" "	
5	K	" "	
5	K	" "	
7	C	≀≀ around hor.; ≀ scattered throughout.	
7	C		
6	C	" "	
7	C	" "	
6	C	Clouded with ≀≀ and ≀, former moving ENE.	
7	C	Clouded as before but ≀≀ were moving NE.	
7	C	" "	
		" "	
8	C	Overcast with ≀≀, moving ESE; drops of rain falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 85°3. Daily fall of rain by Osler's gauge 1.98in.; maximum tension of electricity by Henly's apparatus 12.0; maximum length of spark by Ronald's measure 0.12in.
8	K	Overcast; rain commence at 1h. 5m.	
8	K	Overcast; rain ceased at 2h. 38m.; lightning along E hor.; thunder in W.	
6	K	≀≀ scattered about, moving SE.	
5	K	" "	
5	L	≀≀ and ≀ scattered throughout, former moving E.	
8	L	" "	
8	L	≀≀ and ≀≀ scattered throughout, both moving SE.	
7	L	≀≀ and ≀≀ scattered about hor., both moving NE.	
3	C	≀≀ and ≀≀ scattered about.	
4	C	≀≀ and dense ≀ scattered about, both moving E.	
3	C	≀≀ around hor.; ≀ scattered about, moving NNW.	
3	C	Clouded as before but ≀ were moving NE.	
4	K	≀≀ and ≀≀ scattered about, both moving NE.	
4	K	"	
6	K	≀≀ scattered throughout, moving NE.	
8	K	"	
8	L	Overcast with ≀≀, moving SE; light rain commenced at 5h. 22m.	
8	L	Overcast; lightning in NE; thunder in N; raining.	
8	L	Overcast; lightning along E hor.; thunder in NE; raining.	
8	L	Overcast; lightning in S; occasional distant thunder; raining.	
8	C	Overcast; lightning in S; rain falling.	
8	C	Overcast with ≀≀, moving NW; lightning and thunder in NW; rain ceased at 10h. 19m.	
8	C	Overcast; lightning in W at intervals of 1m. 15s.	
8	C	Overcast with ≀≀, moving WNW.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°5. Maximum tension of electricity by Henly's apparatus 6; maximum length of spark by Ronald's measure 0.05in.
7	K	Densely clouded with ≀≀.	
7	K	"	
4	K	≀≀ scattered about hor., moving NW.	
3	K	"	
5	L	∩≀ in hor.; ≀≀ scattered about, moving N.	
7	L	" "	
7	L	≀≀ and ≀≀ scattered throughout, moving NNW; a few ≀ in SW and W.	
3	L	≀≀ and ≀≀ scattered about hor., moving NW.	
3	C	≀≀ and ≀≀ scattered about, moving W.	
3	C	≀≀ around hor.; ≀ scattered throughout.	
3	C	≀≀ around hor., moving WSW; ≀ scattered throughout.	
6	C	≀≀ and ≀ scattered throughout, former moving WSW.	
3	K	≀≀ scattered about hor., moving WSW.	
4	K	" "	
5	K	≀≀ and ∩≀ scattered about hor., former moving W.	
5	K	"	
7	L	≀≀ scattered throughout, moving E; ∩≀ along W hor.	
8	L	≀≀ scattered throughout, former moving WNW.	
7	L	≀≀ scattered throughout, moving E; sheet lightning in every minute.	
8	L	Overcast with ≀≀, moving NE; sheet lightning in E; drizzling rain from 8h. 35m. to 8h. 48m.	
8	C	Overcast with ≀≀, moving SE; sheet lightning in E.	
8	C	Overcast; lightning in E.	
8	C	Overcast; rain commenced at 11h. 1m. and ceased at 11h. 52m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 13th-Midnight	29.647	28.572	83°6	82°6	1°0	82°3	0.96	83°9	85°2	NW	0.0	0.08				
1 a. m.	.621	.582	82·5	81.5	1.0	81.2	.96	82.8	85.0	ENE	0.0	0.01				
2 „	.625	.644	81·8	80.0	1.8	79.4	.93	82.4	85.0	WNW	0.3		+	10	10	0.20
3 „	.626	.634	80.8	80.0	0.8	79.7	.97	81.6	84.7	NW b W	0.0	0.24				
4 „	.624	.634	79.4	78.4	1.0	78.0	.96	80.0	84.5	NNW	0.0	0.20				
5 „	.630	.664	79.4	79.0	0.4	78.9	.98	80.6	84.5	N b W	0.1		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.647	.689	79.0	78.7	0.3	78.6	.99	78.8	84.2	NE	0.2	0.62	—	Out of Sc.	Out of Sc.	Instantly.
7 „	.657	.631	81.6	81.0	0.6	81.8	.98	81.7	84.2	NE b N	0.2	0.05				
8 „	.677	.653	84.2	81.6	2.6	81.7	.90	84.0	84.4	NE	0.1					
9 „	.669	.600	85.8	83.0	2.8	82.1	.89	85.1	84.5	E b N	0.1					
10 „	.668	.609	86.7	83.0	3.7	81.8	.86	86.0	84.8	„	0.1					
11 „	.674	.582	88.0	84.0	4.0	82.8	.85	86.9	85.0	E	0.0					
Noon.	.661	.605	88.7	83.4	5.3	81.7	.81	87.4	85.3	NW	0.1					
1 p. m.	.638	.568	90.0	84.0	6.0	79.0	.78	88.2	85.6	„	0.1					
2 „	.592	.513	90.0	84.2	5.8	79.3	.79	88.5	85.8	„	0.2					
3 „	.591	.530	88.7	83.5	5.2	78.7	.81	87.8	86.0	W	0.1		+	20	20	0·02
4 „	.583	.545	85.4	82.2	3.2	81.1	.88	85.2	85.8	WNW	0.2		—	Out of Sc.	Out of Sc.	Instantly.
5 „	.575	.544	85.2	82.0	3.2	80.9	.87	85.2	85.7	NW	0.2		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.594	.534	85.0	82.6	2.4	81.8	.90	84.6	85.7	N	0.1					
7 „	.614	.622	82.4	80.4	2.0	79.7	.92	82.6	85.4	ENE	0.1					
8 „	.623	.656	82.0	79.7	2.3	78.9	.91	82.3	85.3	„	0.2		+	4		0.01
9 „	.624	.672	80.6	79.0	1.6	78.4	.93	80.8	84.8	NE b E	0.1		+	6		0.01
10 „	.633	.693	80.6	78.7	1.9	78.0	.92	81.1	84.6	ENE	0.2	0.02				
11 „	.635	.650	80.7	79.8	0.9	79.5	.96	81.2	84.4	„	0.0					
July 14th-Midnight	.607	.654	80·5	79.0	1.5	78.5	.94	80.6	84.2	NE b E	0.0					
1 a. m.	.571	.606	80.2	79.2	1.0	78.8	.96	80.4	84.2	ENE	0.0					
2 „	.562	.613	80.2	78.8	1.4	78.3	.94	80.4	84.0	NE b E	0.2					
3 „	.553	.600	79.8	78.8	1.0	78.4	.96	80.2	83.8	NE	0.0					
4 „	.553	.604	80.2	78.8	1.4	78.3	.94	80.5	83.7	„	0.0					
5 „	.558	.601	80.2	79.0	1.2	78.6	.95	80.8	83.7	NE b E	0.2					
6 „	.567	.618	80.2	78.8	1.4	78.3	.94	80.8	83.7	ENE	0.1					
7 „	.583	.565	82.4	81.0	1.4	80.5	.94	82.4	83.7	„	0.2					
8 „	.602	.565	84.6	82.0	2.6	81.1	.90	84.4	84.1	„	0.1					
9 „	.604	.530	85.4	83.0	2.4	82.2	.90	85.2	84.2	„	0.1					
10 „	.602	.502	86.4	83.8	2.6	83.0	.90	86.2	84.4	„	0·1					
11 „	.586	.506	88.6	83.9	4.7	82.4	.83	87.0	84.7	„	0.1					
Noon.	.574	.451	89.0	84.9	4.1	83.7	.85	88.0	85.1	NNW	0.1					
1 p. m.	.559	.435	90.2	85.2	5.0	83.7	.82	88.8	85.4	NW b N	0.3					
2 „	.535	.380	90.0	85.8	4.2	84.6	.85	88.8	85.6	NW	0.4					
3 „	.510	.357	89.7	85.7	4.0	84.5	.85	88.5	85.9	NW b W	0.5					
4 „	.499	.359	90.0	85.5	4.5	84.1	.83	88.5	86.1	NW	0.6					
5 „	.492	.396	88.1	84.1	4.0	82.9	.85	87.3	86.2	NW b N	0.4		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.526	.423	87.0	84.0	3.0	83.1	.87	86.6	86.2	„	0.3		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.514	.416	86.6	83.8	2.8	82.9	.89	86.3	86.1	„	0.4					
8 „	.523	.476	85.4	82.4	3.0	81.4	.88	85.0	86.0	N	0.2		—	Out of Sc.	Out of Sc.	Instantly.
9 „	.558	.551	83.4	81.0	2.4	80.2	.90	84.0	85.5	ENE	0.0					
10 „	.571	.558	83.2	81.1	2.1	80.4	.91	83.8	85.3	„	0·0					
11 „	.569	.590	82.7	80.2	2.5	79.3	.90	83.2	85.1	„	0.2					
July 15th-Midnight	.564	.504	83.4	82.2	1.2	81.8	.95	83.5	85.0	ENE	0.0	0.01				
1 a. m.	.551	.571	79.6	79.4	0.2	79.3	.99	80.5	84.7	WSW	0.0	0.17				
2 „	.553	.554	80.2	80.0	0.2	79.9	.99	81.2	84.6	SW	0.0	0.01				
3 „	.543	.555	80.4	79.8	0.6	79.6	.98	81.2	84.5	WSW	0.0					
4 „	.553	.573	80.0	79.5	0.5	79.3	.98	81.0	84.4	„	0.0					
5 „	.570	.558	80.6	80.4	0.2	80.3	.99	81.5	84.3	„	0.0					
6 „	.572	.552	80.6	80.6	0.0	80.6	1.00	81.4	84.3	„	0.0					
7 „	.583	.541	82.2	81.5	0.7	81.3	0.97	82.6	84.4	SW	0.0					
8 „	.581	.516	83.8	82.4	1.4	82.0	.94	84.0	84.5	SE	0.2					
9 „	.598	.533	85.0	82.7	2.3	82.0	.91	84.7	84.6	E	0.1					
10 „	.603	.543	85.8	82.8	3.0	81.8	.88	85.8	84.7	„	0.1					
11 „	.593	.532	87.4	83.2	4.2	81.8	.84	86.5	85.0	„	0.1					

Less than one cent.

None. None. None. None.

Amount of Clouds 0 — 8.	Observer.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
8	C	Overcast with ∿, moving SSE; rain commenced at 0h. 15m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 85°5. Daily fall of rain by Osler's gauge 1.31in.; maximum tension of electricity by Henly's apparatus 18; maximum length of spark by Ronald's measure 0·8in.
8	K	Overcast; sheet lightning in W hor. at intervals of 1m. 37s.; thunder about zth. occasionally heard; rain ceased at 1h. 40m.	
8	K	Overcast; continuous lightning & thunder in SW; rain commenced at 3h. 42m.	
8	K	Overcast; continuous lightning and occasional thunder in zth.; rain ceased at 3h. 50m.	
8	K	Overcast; continuous lightning and thunder in W.	
8	L	Overcast with ∿, moving E; continuous lightning and occasional thunder in SE, heavy rain commenced at 5h. 9m.	
8	L	Overcast; with ∿, moving SE; continuous lightning and thunder in zth.; rain ceased at 6h. 59m.	
4	L	∿ scattered about hor., moving S; thunder occasionally heard in N; a rainbow in W.	
2	L	∿ scattered around hor. and in NW and N, moving SW.	
2	C	∿, ∩, and a few ∿ around hor.	
2	C	∿ around hor., moving SW; ∿ above W hor.	
3	C	∿ around hor. and in W, moving WSW; ∩ and ∿ around hor.	
3	C	∿ around hor., moving SW; ∿ and ∿ along E hor.	
4	K	Masses of ∿ scattered about, moving W; thunder in SW heard at 1h. 20m.	
7	K	Densely clouded with ∿, moving W; continuous thunder in SE.	
8	K	Overcast with ∿, moving WSW; continuous distant thunder about zth.; rain commenced at 3h. 30m.; lightning in N hor.	
8	K	Overcast; lightning and thunder in NW and N; rain ceased at 4h. 15m.	
8	L	Overcast with ∿, moving ESE; drops of rain at 5h. 5m.	
8	L	Overcast; no rain.	
8	L	Overcast with ∿, moving NW.	
8	L	Overcast with ∿, moving SW; drops of rain commenced to fall at 8h. 24m.	
8	C	Overcast; rain ceased at 9h. 17m.	
6	C	∿ and ∿ scattered throughout, both moving SE.	
5	C	" "	
4	C	∿ around hor.; ∿ and ∿ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°1. Maximum tension of electricity by Henly's apparatus 17; maximum length of spark by Ronald's measure 0.16in.; at 2 P. M. the temperature of evaporation was 85°8 greatest in the month, and about 4°5 greater than the normal mean.
6	K	∿ and ∿ scattered about, former moving SW; lightning in S hor. at intervals of 2m. 5s.	
8	K	Overcast with ∿, moving SW; lightning in S hor. every 23s.	
8	K	Overcast; lightning in SW hor. every 32s.	
8	K	Overcast; a few stars dimly visible; lightning in SW hor. every 16s.	
8	L	∿ around hor.; ∿ and ∿ scattered throughout, former moving SW.	
8	L	" " "	
8	L	" " "	
8	L	Clouded as before but the motion of ∿ was W.	
8	C	Overcast with ∿ and ∿, both moving W.	
7	C	∿ around hor.; ∿ and ∿ scattered throughout, latter moving WSW.	
7	C	" " "	
8	C	∿ around hor., moving S; ∿ and ∿ scattered throughout.	
8	K	Densely clouded with ∿, ∿, and ∿; the lower clouds moving SW.	
7	K	" "	
7	K	Clouded as before; thunder in N hor. heard at 3h. 45m.	
6	K	Clouded as before; occasional thunder in N hor.	
8	L	Overcast; continuous thunder in N.	
8	L	Overcast with ∿, moving W; a few drops of rain at 6h. 32m.	
6	L	∿ scattered about, moving S; ∿ in zth.; sheet lightning along S hor., thunder in S.	
8	L	Overcast with ∿, moving SW; ∿ in E; sheet lightning and thunder in S at intervals.	
8	C	∿ and ∿ scattered throughout, former moving SE; continuous lightning in S hor.	
8	C	Overcast with ∿ and ∿; continuous lightning along S hor. [11h. 50m.	
8	C	Overcast with ∿ and ∿, both moving W; continuous lightning along S hor.; drops of rain between 11h. 47m. and [ceased at 0h. 50m.	
8	C	Overcast with ∿ and ∿, former moving W; continuous lightning along S hor.; rain commenced at 0h. 2m. and	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°1. Daily fall of rain by Osler's gauge 0.27in.; maximum tension of electricity by Henly's apparatus 8; maximum length of spark by Ronald's measure 0.08in.
8	K	Overcast lightning in SW; continuous thunder in SW; rain commenced at 1h. 23m. and ceased at 1h. 35m.	
8	K	Overcast with ∿, moving SW; continuous lightning in W hor.	
8	K	Overcast with ∿, moving W; lightning in W hor. every 16m.; thunder occasionally heard in W.	
8	K	Overcast; lightning in W. hor. at intervals of 17s.	
8	L	Overcast; rain commenced at 5h. 26m. and ceased at 5h. 40m.	
8	L	Overcast with ∿, moving W; a few ∿ about zth.	
8	L	Overcast.	
8	L	Overcast with ∿ and ∿, former moving W.	
7	C	∿ and ∿ scattered throughout, former moving WNW.	
8	C	∿ and ∿ scattered throughout, former moving NNW.	
7	C	∿ and ∿ scattered throughout, former moving N.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time till recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
July 15th—Noon.	29.582	28.519	88·0	83·4	4·6	81·9	0.83	87·0	85·2	WSW	0.1					
1 p. m.	.560	.484	89.0	83.9	5.1	82.3	.81	87.7	85.4	SSW	0.2					
2 „	.552	.525	89.6	83.0	6.6	80.8	.76	88.0	85.7	„	0·1		+	2		
3 „	.524	.483	86.3	82.5	3.8	81.2	.85	86.0	85.5	„	0.1		—	Out of Sc.	Out of Sc.	Instantly.
4 „	.486	.442	85.2	82.3	2.9	81.3	.89	85.0	85.5	SW	0.1		—	Out of Sc.	Out of Sc.	
5 „	.512	.475	84.6	82.0	2.6	81.1	.90	84.7	85.4	SW b W	0.0		+	Out of Sc.	45	0.08
6 „	.528	.472	84.6	82.4	2.2	81.7	.91	84.7	85.4	„	0.0					
7 „	.541	.504	83.8	81.8	2.0	81.1	.92	83.8	85.3	SW	0.0					
8 „	.558	.505	84.0	82.2	1.8	81.6	.93	84.2	85.3	„	0.0					
9 „	.568	.517	83.4	82.0	1.4	81.5	.94	83.8	84.9	SSE	0.2					
10 „	.586	.562	81.8	81.0	0.8	80.7	.97	82.5	84.9	„	0.3					
11 „	.584	.554	82.1	81.2	0.9	80.9	.96	82.6	84.8	„	0.2					
July 16th—Midnight	.573	.566	81.8	80.6	1.2	80.2	.95	82.5	84.6	SSE	0.1					
1 a. m.	.548	.528	82.2	81.0	1.2	80.6	.95	82.8	84.5	„	0.1		+	1		Above 10m.
2 „	.515	.512	81.8	80.5	1.3	80.1	.95	82.4	84.5	„	0.1					
3 „	.509	.500	81.6	80.6	1.0	83.2	.96	82.0	84.4	„	0.1					
4 „	.521	.534	81.3	80.0	1.3	79.5	.95	81.9	84.4	„	0.0					
5 „	.511	.523	81.2	80.0	1.2	79.6	.95	81.7	84.4	„	0.0					
6 „	.532	.521	81.4	80.6	0.8	80.3	.97	82.0	84.3	„	0.1					
7 „	.544	.542	82.2	80.6	1.6	80.0	.93	82.5	84.3	„	0.2		+	2		Above 10m.
8 „	.564	.507	84.9	82.5	2.4	80.2	.90	84.9	84.3	S	0.1		+	2		Above 10m.
9 „	.563	.522	86.3	82.5	3.8	81.2	.85	85.8	84.6	SSW	0.1					
10 „	.539	.483	87.0	83.0	4.0	81.7	.85	86.1	84.8	WSW	0.3					
11 „	.541	.451	88.2	84.0	4.2	82.7	.84	87.0	85.2	NW b W	0.2					
Noon.	.521	.438	88.8	84.0	4.8	82.5	.82	87.6	85.2	NW	0.2					
1 p. m.	.478	.419	88.4	83.4	5.0	81.8	.81	87.0	85.5	NNW	0.3					
2 „	.471	.400	86.5	83.2	3.3	82.2	.87	85.6	85.5	NW	0.1	0.01	—	Out of Sc.	Out of Sc.	Instantly.
3 „	.445	.460	80.9	79.6	0.4	79.5	.98	80.7	85.0	SSW	0·0	1.09	—	Out of Sc.	Out of Sc.	Instantly.
4 „	.437	.406	81.2	81.0	0.2	80.9	.99	82.0	84.9	WSW	0.0		—	Out of Sc	Out of Sc.	Instantly.
5 „	.457	.468	81.8	80.2	1.6	79.6	.93	81.9	84.7	SW b W	½ to 4½	0.01	+	2		Above 10m.
6 „	.442	.435	80.2	80.2	0.0	80.2	1.00	80.8	84.3	WSW	0.5	0.01				
7 „	.456	.439	80.5	80.5	0.0	80.5	1.00	80.2	84.2	WNW	½ to 4	0.04	+	10		Above 10m.
8 „	.462	.432	80.1	80.7	0.6	80.9	1.00	80.3	83.7	NW b N	¼ to 1	0.58				
9 „	.488	.413	78.1	78.9	0.8	79.2	1.00	77.7	83.5	SW b W	1 to 5	1.35				
10 „	.517	.577	77.9	77.8	0.1	78.0	1.00	77.5	83.2	W	4 to 11¼	2.16				
11 „	.535	.569	77.7	78.8	1.1	78.9	1.00	77.5	83.0	WNW	½ to 3	0.73				
July 18th—Midnight	.584	.643	77.5	77.9	-0.4	78.0	1.00	76.8	82.0	W b S	1½ to 3	0.47				
1 a. m.	.578	.637	77.8	78.0	-0.2	78.0	1.00	77.9	81.9	„	½ to 3	0.24				
2 „	.561	.630	77.6	77.7	-0.1	77.7	1.00	77.9	81.7	W b N	½ to 2½	0.13				
3 „	.559	.644	77.7	77.3	0.4	77.2	0.98	78.0	81.7	W b S	¼ to 2¼	0.12				
4 „	.561	.615	77.4	78.0	0.6	78.2	1.00	78.0	81.6	W S W	¼ to 1	0·05				
5 „	.573	.634	78.0	78.0	0.0	78.0	1.00	78.3	81.6	„	½ to 1½	0.02				
6 „	.585	.646	78.0	78.0	0.0	78.0	1.00	78.4	81.6	SW b W	½ to 1½	0·01				
7 „	.592	.619	79.1	79.1	0.0	79.1	1.00	79.3	81.7	„	¼ to 1½					
8 „	.616	.719	78.2	77.0	1.2	76.5	0.95	78.0	81.6	„	¼ to 1¼	0.05				
9 „	.624	.640	79.7	79.5	0.2	79.4	.99	80.2	81.6	WSW	½ to 1½	0.05				
10 „	.620	.680	79.0	78.3	0.7	78.0	.97	79.1	81.8	„	½ to 1½	0.09				
11 „	.604	.673	79.5	78.2	1.3	77.7	.95	78.9	81.9	W b S	0·6	0.05	None.	None.	None.	None.
Noon.	.606	.667	78.0	78.0	0.0	78.0	1.00	77.5	81.7	W	¼ to 1¾	0·36				
1 p. m.	.604	.657	78.0	78.2	0.2	78.2	1.00	78.5	81.5	WNW	¼ to 4	0.21				
2 „	.596	.636	79.2	78.8	0.4	78.7	0.98	79.7	81.6	W b N	½ to 2					
3 „	.579	.599	80.0	79.5	0.5	79.3	.98	80.1	81.7	W	¼ to 1½	0.01				
4 „	.576	.616	79.9	79.9	0.0	78.7	.96	80.2	81.7	W b N	¼ to 1					
5 „	.576	.627	79.8	78.7	1.1	78.3	.95	80.1	82.0	WSW	¼ to 1					
6 „	.602	.674	79.0	78.0	1.0	77.6	.96	79.2	81.8	„	¼ to 1½					
7 „	.610	.651	79.6	78.9	0.7	78.0	.97	79.7	81.8	SW b W	0.6					
8 „	.629	.676	79.8	78.8	1.0	78.4	.96	80.1	81.9	WSW	0.4					
9 „	.639	.698	79.8	78.5	1.3	78.0	.95	80.2	81.9	„	0.4					
10 „	.647	.676	80.0	79.3	0.7	79.0	.97	79.9	81.8	SW b W	½ to 1	0.01				
11 „	.652	.721	78.7	78.0	0.7	77.7	.97	79.0	81.5	WSW	0.5					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≋ nimbi.	
7	C	≋ and ≀ scattered throughout, former moving N.	
7	R	≋ around hor.; ≀ scattered throughout; thunder in E heard at 1h. 15m.	
7	R	≋ scattered throughout, except in W; a few light ≀ in W above hor.; occasional thunder in E.	
7	R	Densely clouded with ≋ and ∩, former moving W; a few ≀ in N; ≋ in E; occasional thunder in NE.	
7	R	≋, ≀, and a few ≋ scattered about.	
8	L	Overcast with ≋ and ≀, former moving W.	
8	L	" "	
8	L	Overcast; sheet lightning in SE; occasional thunder in SE.	
8	L	Overcast; sheet lightning in SE. [9h. 2m. to 9h. 43m.	
8	C	Overcast with ≋ and ≀, former moving WSW; lightning in SE; a single peal of thunder in SE; drops of rain from	
8	C	Overcast with ≋ and ≀, former moving W; lightning in S hor. at intervals of 1m. 10s.	
8	C	Overcast; lightning in SW hor. at intervals of 8s.	
8	C	≋ around hor.; ≋ in S; ≀ scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 85°1. Daily fall of rain by Osler's gauge 6.83in.; maximum tension of electricity by Henly's apparatus 18.0; maximum length of spark by Ronald's measure 0.17in.; the height of barometer at 4 P. M. was 29.437in. least during the month, and about 0.153in. lower than the normal mean.
8	R	≋ and ∩ scattered throughout; lightning in W hor. at intervals of 40s.	
6	R	≋ and ≀ scattered throughout; lightning in W hor. at intervals of 20s.	
5	R	≋ around hor.; ≋ scattered about; lightning in W hor. every 20s.	
7	R	Densely clouded with ≋ and ≀; lightning in W hor.	
6	L	≋ around hor., moving NW; ≋ and ≀ scattered about; lightning in W at intervals of 1m. 35s.	
8	L	Overcast with ≋, moving E.	
8	L	≋ scattered about, moving W.	
8	R	Overcast; a few ≀ in S.	
6	R	≋ scattered about hor., moving W; ≀ in N, S, and E; ∩ in W hor.	
4	L	≋ and ≀ scattered about hor., former moving S.	
2	R	≋ scattered about hor., moving SE; ≀ around hor. and about 2th.	
5	R	≋ scattered about hor. and in S, E, and N, moving W; a few ≀ above W hor.; thunder in NE heard at 0h. 51m.	
5	C	Light and dense ≋ scattered about, thunder in NE every 4m.; a few drops of rain at 1h. 43m.	
8	C	Overcast with ≋, moving SSE; continuous thunder about 2th. and lightning there about; a heavy fall of rain from	
8	C	Overcast with ≋, moving N; continuous thunder in SW; breaks of clouds in SE. [2h. 44m. to 2h. 57m.	
8	C	Overcast with ≋, moving N.	
8	R	Overcast with ≋, moving NE; rain commenced at 5h. 13m. and ceased at 5h. 32m.	
8	R	Overcast with ≋, moving E; rain commenced at 6h. 32m. which lasted 8m.	
8	R	Overcast; raining from 7h. to 7h. 43m.; lightning observed in SW; drizzling rain after 7h. 43m.	
8	R	Overcast; raining rather heavily till 8h. 15m; lightning in N hor.; rain commenced at 8h. 34m.	
8	R	Overcast; lighting in N, E, and S; loud thunder in E hor.; raining heavily.	
8	R	Overcast; lightning, thunder, and heavy rain.	
8	R	" " "	
8	C	Overcast with ≋, moving E; raining in passing showers; lightning in S at intervals of 25s.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°4. Daily fall of rain by Osler's gauge 1.90in.
8	R	Overcast with ≋, moving SE; raining; lightning in S hor. at 1h. 51m.	
8	R	Overcast; raining lightly.	
8	R	Overcast with ≋, moving E; raining.	
8	R	" " "	
8	L	" " "	
8	L	Overcast with ≋, moving NE; drizzling rain.	
8	L	" " "	
8	C	Overcast; rain ceased at 8h. 17m.	
8	C	Overcast; rain commenced at 9h. 48m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	" "	
8	R	Overcast with ≋, moving E; rain ceased at 1h. 20m.	
8	R	Overcast with ≋, moving NE; rain commenced at 2h. 22m. thunder in E heard at 2h. 50m.	
8	R	Overcast with ≋, moving E; rain ceased at 3h. 50m.	
8	R	Overcast with ≋, moving NE; rain commenced at 4h. and ceased at 4h. 14m.	
8	L	Overcast; rain between 5h. and 5h. 35m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
8	L	Overcast with light and dense ≋; a few stars dimly visible, rain at 9h. 54m. which lasted 4m.	
8	C	Overcast; no rain.	
8	C	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 19th-Midnight	29.636	28.677	80°0	79°0	1°0	78°6	0.96	80°1	81°6	WSW	0.7					
1 a. m.	.625	.630	79.4	79.7	−0.3	79.8	1.00	79.7	81.6	SW	⅛ to 1	0.06				
2 „	.610	.675	78.4	78.0	0.4	77.8	0.98	78.5	81.6	SW b W	⅛ to 3½	0.05				
3 „	.609	.664	78.2	78.2	0.0	78.2	1.00	78.0	81.5	SW	⅛ to 1½	0.07				
4 „	.611	.668	78.4	78.2	0.2	78.1	0.99	78.8	81.5	„		0.4				
5 „	.629	.715	77.4	77.2	0.2	77.1	.99	77.5	81.4	WSW		0.8	0.64			
6 „	.642	.747	76.6	76.5	0.1	76.5	1.00	76.2	81.2	WNW		1.0	0.34			
7 „	.644	.719	77.8	77.6	0.2	77.5	0.99	77.8	81.2	NW		0.5	0.35			
8 „	.664	.758	77.4	77.0	0.4	76.8	.98	77.7	81.0	WNW	⅛ to 2¼		0.42			
9 „	.670	.757	76.7	77.0	−0.3	77.1	1.00	77.1	81.0	NW	⅛ to ⅜		0.13			
10 „	.671	.752	77.3	77.3	0.0	77.3	.00	77.2	80.8	„	⅛ to 1		0.04			
11 „	.665	.720	77.5	78.0	−0.5	78.2	.00	78.0	80.9	W b S	⅛ to ⅜		0.22			
Noon.	.657	.749	77.2	77.0	0.2	76.9	0.99	77.9	80.9	„	⅛ to 2⅜		0.11			
1 p. m.	.637	.684	78.2	78.4	−0.2	78.4	1.00	78.9	80.9	WSW	0 to 1		0.09	None.	None.	None.
2 „	.620	.610	81.9	80.7	1.2	80.3	0.95	81.8	81.7	„	⅛ to 2½		0.01			
3 „	.604	.632	79.6	79.2	0.4	79.1	.98	79.9	81.6	SW	0 to ⅜		0.15			
4 „	.589	.668	78.5	77.7	0.8	77.4	.97	78.9	81.2	„		0.1	0.02			
5 „	.602	.710	78.6	77.0	1.6	76.4	.93	79.0	81.2	W b S		0.8				
6 „	.614	.676	78.8	78.2	0.6	77.9	.97	79.2	81.2	WSW		0.3				
7 „	.633	.749	76.6	76.2	0.4	76.1	.98	76.6	81.1	„	0 to 2⅜		0.38			
8 „	.637	.753	76.6	76.2	0.4	76.1	.98	77.0	80.9	„	⅛ to 1		0.23			
9 „	.653	.762	76.6	76.4	0.2	76.3	.99	77.0	80.8	„	⅛ to 1½		0.39			
10 „	.660	.750	77.0	77.0	0.0	77.0	1.00	77.5	80.7	SW b S		0.5	0.05			
11 „	.644	.707	78.2	78.0	0.2	77.9	0.99	78.4	80.7	SSW		0.6	0.01			
July 20th-Midnight	.627	.705	77.8	77.5	0.3	77.4	.99	78.2	80.7	SW b S	⅛ to 2½					
1 a. m.	.587	.665	77.8	77.5	0.3	77.4	.99	77.8	80.8	SW	⅛ to 2		0.03			
2 „	.583	.636	78.0	78.2	−0.2	78.2	1.00	78.3	80.7	SW b S		0.4	0.04			
3 „	.573	.632	77.8	78.0	−0.2	78.0	.00	78.0	80.6	SSW		0.6	0.06			
4 „	.579	.609	78.2	78.8	−0.6	78.8	.00	78.5	80.5	„	⅛ to 1½		0.45			
5 „	.575	.717	75.4	75.2	0.2	75.1	0.99	74.7	80.5	WNW	0 to 1		0.22			
6 „	.593	.728	75.4	75.4	0.0	75.4	1.00	75.7	80.3	WSW	0 to 1		0.90			
7 „	.595	.770	77.8	77.6	0.2	77.5	0.99	78.0	80.4	SW b S	0 to ⅜		0.38			
8 „	.613	.621	79.0	79.5	−0.5	79.5	1.00	79.0	80.5	„	⅛ to 1½		0.29			
9 „	.624	.650	79.4	79.2	0.2	79.1	0.99	79.6	80.8	SW	⅛ to 5		0.06			
10 „	.619	.611	79.4	80.0	−0.6	80.0	1.00	79.3	80.8	WSW	⅛ to 4½		0.48			
11 „	.607	.669	78.8	78.2	0.6	77.9	0.97	79.0	80.8	SW	⅛ to 3		0.06			
Noon.	.598	.685	79.2	77.7	1.5	77.1	.94	78.9	81.2	SW b W	⅛ to 4		0.04	None.	None.	None.
1 p. m.	.572	.579	80.0	79.8	0.2	79.7	.99	80.3	81.2	SW	⅛ to 2		0.07			
2 „	.558	.562	81.2	80.2	1.0	79.8	.96	81.3	81.6	WSW	⅛ to 1½					
3 „	.545	.615	78.8	78.0	0.8	77.7	.96	78.9	81.5	W b S		0.3	0.14			
4 „	.530	.547	80.5	79.7	0.8	79.4	.97	80.7	81.7	WSW		0.1				
5 „	.529	.545	80.8	79.8	1.0	79.4	.96	80.8	81.9	„		0.8				
6 „	.535	.543	80.8	80.0	0.8	79.6	.97	80.8	82.0	„		0.8				
7 „	.543	.555	80.4	79.8	0.6	79.6	.98	80.7	82.0	„		0.5				
8 „	.556	.670	78.4	76.8	1.6	76.1	.93	77.8	82.0	„		0.5	0.16			
9 „	.562	.561	80.0	80.0	0.0	80.0	1.00	80.2	81.9	SW b W		0.2	0.01			
10 „	.571	.616	80.4	79.0	1.4	78.5	0.94	80.6	81.9	WSW		0.6				
11 „	.558	.589	80.6	79.4	1.2	79.0	.95	80.8	81.8	SW	⅛ to 1½					
July 21st-Midnight	.539	.547	80.8	80.0	0.8	79.7	.97	80.9	81.9	SW	⅛ to 1⅓					
1 a. m.	.509	.531	80.6	79.6	1.0	79.3	.96	80.8	81.9	„	⅛ to 2½					
2 „	.481	.501	80.4	79.6	0.8	79.3	.97	80.6	82.0	SW b W	⅛ to 3					
3 „	.476	.486	81.0	80.0	1.0	79.6	.96	81.2	82.1	SW	⅛ to 3					
4 „	.481	.517	81.0	79.4	1.6	78.8	.93	81.1	82.0	SW b W	⅛ to 1⅓			None.	None.	None.
5 „	.497	.516	80.7	79.7	1.0	79.4	.96	81.0	82.1	„	⅛ to 3					
6 „	.510	.583	78.7	77.9	0.8	77.6	.97	78.8	82.1	WSW	⅛ to 2½		0.10			
7 „	.522	.538	79.7	79.5	0.2	79.4	.99	79.9	82.0	„	⅛ to ⅜					
8 „	.529	.569	81.4	79.4	2.0	78.7	.92	81.3	82.2	„	⅛ to 1⅓					
9 „	.536	.518	82.8	81.2	1.6	80.6	.93	82.7	82.4	„	⅛ to 1					
10 „	.538	.537	83.2	80.8	2.4	80.0	.90	83.0	82.5	„	⅛ to 1					
11 „	.526	.544	82.6	80.3	2.3	79.4	.91	82.6	82.5	W b S	⅛ to 1⅓					

Amount of clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—*In recording these Observations, the Symbols used to denote the clouds are:* ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
8	C	Overcast with ≋, moving NE; rain commenced at 0h. 12m. and ceased at 0h. 54m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 85°7. Daily fall of rain by Osler's gauge 3.89in.
0	R	Overcast; raining lightly after 1h. 45m.	
0	R	Overcast; a shower of rain 2h. 24m. which lasted 8m.; rain commenced at 2h. 58m.	
0	R	Overcast with ≋, moving E; rain ceased at 3h. 30m.	
0	R	Overcast with ≋, moving NE; rain commenced at 4h. 14m.	
0	L	Overcast; raining.	
0	L	" "	
0	L	" "	
0		" "	
0	C	" "	
0	C	" "	
0	C	Overcast with ≋, moving E; raining.	
0	C	Overcast; raining.	
0	R	Overcast; rain ceased at 1h. 36m.	
0	R	Overcast; rain commenced at 2h. 10m. and ceased at 2h. 34m.	
0	R	Overcast with ≋, moving NE; rain commenced at 3h. 4m. and ceased at 3h. 30m.	
0	R	Overcast; rain commenced at 4h. and ceased at 4h. 16m.	
0	L	Overcast with ≋, moving E; no rain.	
0	L	Overcast with ≋, moving E; light drops of rain between 6h. and 6h. 40m.; light rain commenced afterwards.	
0	L	Overcast; raining.	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	Overcast with ≋, moving NE; rain ceased at 11h. 14m.	
8	C	Overcast with ≋, moving NE; rain commenced at 0h. 50m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°7. Daily fall of rain by Osler's gauge 3.40in.; the reading of wet bulb thermometer at 5 A. M. was smallest in the month, and about 2°9 smaller than the normal mean; the temperature of free air at 5 and 6 A. M. was lowest during the month.
8	R	Overcast with ≋, moving E; raining.	
8	R	Overcast with ≋, moving NE; raining.	
8	R	" " "	
8	R	Overcast with ≋, moving E; raining.	
8	L	" " "	
8	L	Overcast with ≋, moving NE; raining lightly.	
8	L	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	Overcast; rain ceased at 1h. 30m.	
8	R	Overcast with ≋, moving E; drizzling rain.	
8	R	Overcast; no rain.	
8	R	Overcast with ≋, moving ENE; a passing shower of rain at 4h. 42m.	
8	L	Overcast; a few drops of rain at 5h. 54m.	
8	L	Overcast with ≋, moving E; a few drops of rain at 6h. 49m.	
8	L	Overcast; rain commenced at 7h. 52m.	
8	L	Overcast; rain ceased at 8h. 3m. but a passing shower of rain fell at 8h. 58m.	
8	L	Overcast; no rain.	
7	C	Densely clouded with ≋, moving E.	
7	C	" "	
7	C	Densely clouded with ≋, moving NE; drizzling rain at 0h. 8m. which lasted for a short time.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 85°7. Daily fall of rain by Osler's gauge 0.90in.
7	R	≋ scattered throughout, moving E.	
5	R	∿ and ≋ scattered about, former moving E.	
8	L	≋ scattered throughout, moving E.	
8	L	Overcast with ≋, moving E.	
8	C	Overcast with ≋, moving ENE; a shower of rain at 5h. 49m.	
8	C	Overcast; rain ceased at 6h. 5m.	
8	R	Overcast with ≋, moving E.	
8	R	Overcast with ≋, moving NE.	
8	L	" " "	
8	L	Overcast; a few drops of rain at 10h. 49m.	
8	C	Overcast; light rain between 11h. 41m. and 11h. 49m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 21st-Noon.	29.520	28.511	82°0	80°7	1°3	80°2	0.95	82°1	82°6	WSW	½ to 1 2/3	0.04				
1 p. m.	.504	.558	81.2	79.0	2.2	78.2	.91	81.4	82.5	SW b S	½ to 3 1/2	0.04				
2 „	.502	.554	81.4	79.1	2.3	78.1	.91	81.3	82.5	WSW	½ to 4 1/2					
3 „	.490	.546	81.4	79.0	2.4	78.3	.90	81.5	82.6	SW	½ to 4 1/2		●			
4 „	.475	.511	81.0	79.4	1.6	78.8	.93	81.0	82.6	SW b S	½ to 4					
5 „	.488	.581	78.8	77.4	1.4	76.9	.94	79.2	82.5	W b S	½ to 3 2/3	0.01				
6 „	.500	.608	78.6	77.0	1.6	76.4	.93	79.0	82.3	WSW	½ to 5	0.03				
7 „	.501	.577	79.7	78.1	1.6	77.5	.93	80.0	82.1	„	1 to 5 1/2		None.	None.	None.	None.
8 „	.511	.615	78.3	77.0	1.3	76.5	.99	78.7	82.0	„	½ to 4	0.01				
9 „	.513	.615	78.8	77.2	1.6	76.6	.93	78.4	81.8	SW	½ to 3 1/4	0.12				
10 „	.528	.622	77.4	77.0	0.4	76.8	.98	77.4	81.7	W	½ to 3 1/4	0.28				
11 „	.538	.655	76.9	76.3	0.6	76.0	.97	76.7	81.6	WSW	½ to 6 1/2	0.26				
July 22nd-Midnight	.518	.614	76.8	76.8	0.0	76.8	1.00	76.5	81.5	WSW	½ to 4	0.54				
1 a. m.	.492	.567	76.8	76.6	0.2	77.5	0.99	76.3	81.5	W b S	½ to 3 3/4	0.48				
2 „	.487	.550	78.2	78.0	0.2	77.9	.99	78.2	81.5	„	½ to 5 1/2	0.28				
3 „	.462	.524	78.1	78.0	0.1	77.9	1.00	78.4	81.5	WSW	½ to 6 1/4	0.15				
4 „	.455	.488	79.3	79.0	0.3	78.9	0.99	79.4	81.7	„	½ to 1 2/3					
5 „	.462	.513	79.4	78.6	0.8	78.3	.97	79.9	81.8	„	½ to 4	0.02				
6 „	.475	.533	79.2	78.4	0.8	78.1	.97	79.5	81.8	W b S	½ to 2 1/3					
7 „	.495	.562	80.0	78.4	1.6	77.8	.93	80.3	81.9	„	½ to 3 1/4					
8 „	.520	.603	80.0	78.0	2.0	77.2	.92	80.0	81.9	WNW	½ to 3 2/3					
9 „	.519	.571	81.0	79.0	2.0	78.3	.92	81.2	82.0	W b N	½ to 1 2/3					
10 „	.523	.608	79.8	77.9	1.9	77.2	.92	80.0	82.1	W	½ to 3 2/3					
11 „	.519	.566	80.5	79.0	1.5	78.4	.94	81.0	82.1	WSW	½ to 2 2/3	0.01	None.	None.	None.	None.
Noon.	.511	.565	81.2	79.0	2.2	78.2	.91	81.3	82.2	W b S	½ to 4 1/4					
1 p. m.	.496	.551	81.3	79.0	2.3	78.2	.91	81.3	82 3	WSW	½ to 5 1/2					
2 „	.475	.550	81.2	78.5	2.7	77.5	.89	81.2	82.2	SW	½ to 4					
3 „	.455	.520	81.1	78.7	2.4	77.8	.90	81.2	82.2	„	½ to 5					
4 „	.453	.533	80.8	78.3	2.5	77.3	.90	80.9	82.2	„	½ to 5					
5 „	.461	.532	79.3	78.1	1.2	77.6	.95	79.4	82.2	SW b W	½ to 5 2/3	0.03				
6 „	.479	.560	79.8	78.0	1.8	77.3	.93	80.2	82.2	WSW	½ to 4 2/3					
7 „	.489	.526	79.6	79.0	0.6	78.8	.97	79.8	88.1	„	½ to 3	0.03				
8 „	.498	.584	78.8	77.6	1.2	77.1	.95	79.0	82.0	„	1 to 6 3/4	0.02				
9 „	.519	.606	79.6	77.8	1.8	77.1	.93	79.7	82.0	„	1 to 6 1/2					
10 „	.527	.639	79.0	77.0	2.0	76.2	.92	79.0	81.9	„	½ to 6 1/2	0.02				
11 „	.524	.582	79.2	78.4	0.8	78.1	.97	79.3	81.7	W b S	½ to 3 1/4	0.05				
July 23rd-Midnight	.517	.579	79.6	78.4	1.2	77.9	.95	79.7	81.9	WSW	1 to 5 3/4	0.01				
1 a. m.	.495	.559	79.8	78.4	1.4	77.8	.94	79.8	82.0	„	½ to 3					
2 „	.489	.556	79.3	78.2	1.1	77.8	.95	79.5	81.8	„	½ to 2 1/2	0.10				
3 „	.502	.566	78.3	78.0	0.3	77.9	.99	78.4	81.8	„	½ to 4 1/2	0.18				
4 „	.493	.567	79.2	78.0	1.2	77.5	.95	79.5	81.8	W b S	½ to 4 1/2					
5 „	.511	.600	79.8	77.8	2.0	77.0	.92	80.1	81.8	WSW	1 to 5 1/2					
6 „	.527	.594	80.0	78.4	1.6	77.8	.93	80.0	82.0	SW b W	½ to 1 2/3					
7 „	.541	.608	80.0	78.4	1.6	77.8	.93	80.1	82.0	WSW	0 to 1 1/2	0.01				
8 „	.559	.640	80.2	78.1	2.1	77.3	.91	80.4	82.0	SW b W	0 to 2					
9 „	.561	.636	80.4	78.3	2.1	77.5	.91	80.6	82.0	WSW	½ to 2					
10 „	.558	.621	82.0	79.0	3.0	77.9	.88	82.0	82.2	W b S	0 to 2 1/3					
11 „	.560	.663	78.9	77.2	1.7	76.5	.93	79.5	82.0	W	½ to 4 1/2	0.03	None.	None.	None.	None.
Noon.	.560	.673	78.1	76.7	1.4	76.2	.94	78.0	81.9	„	½ to 2 1/2	0.08				
1 p. m.	.536	.634	78.5	77.2	1.3	76.7	.95	78.9	81.7	W b N	½ to 4	0.17				
2 „	.531	.581	80.4	78.7	1.5	78.3	.94	80.6	81.9	WSW	½ to 4					
3 „	.523	.576	79.6	78.6	1.0	78.2	.96	79.8	81.8	„	½ to 2 3/4	0.01				
4 „	.520	.595	80.4	78.3	2.1	77.5	.91	80.2	81.8	SW b W	½ to 3 1/2					
5 „	.529	.615	80.2	78.0	2.2	77.1	.91	80.2	81.8	WSW	½ to 6 1/4					
6 „	.540	.643	80.2	77.8	2.4	76.5	.90	80.2	81.8	SW b W	½ to 3					
7 „	.559	.647	80.5	78.0	2.5	77.1	.90	80.5	81.8	WSW	½ to 3 1/2					
8 „	.567	.655	80.5	78.0	2.5	77.1	.90	80.5	81.8	„	½ to 2					
9 „	.573	.660	80.4	78.0	2.4	77.1	.90	80.4	81.8	„	½ to 4 1/4					
10 „	.580	.656	79.4	78.0	1.4	77.5	.94	79.6	81.7	W b N	½ to 4	0.09				
11 „	.580	.650	78.8	78.0	0.8	77.7	.97	79.0	81.6	WSW	½ to 2 2/3	0.06				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌊ cirro-strati; ∩⌊ cumulo-strati; and ≀∩⌊ nimbi.	
8	C	Overcast; rain between 12h. 17m. and 12h. 30m.	
8	R	Overcast with ≀∩⌊, moving E.	
8	R	Overcast with ≀∩⌊, moving NE; rain commenced at full hour and ceased at 2h. 22m.	
8	L	Overcast; rain commenced at 3h. 5m. and ceased at 4h.	
8	L	Overcast; rain commenced at 4h. 6m. and ceased at 4h. 19m. but recommenced at 4h. 49m.	
8	C	Overcast with ≀∩⌊, moving E; rain commenced at 5h. 5m. and ceased at 5h. 40m.	
8	C	Overcast with ≀∩⌊, moving NE.	
8	R	Overcast; rain commenced at 7h. 15m.	
8	R	Overcast; rain ceased at 8h. 36m.	
8	L	Overcast; rain commenced at 9h. 16m.	
8	L	Overcast; raining.	
8	C	,, ,,	
8	C	Overcast with ≀∩⌊, moving E; light rain and strong gusts of wind.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 85°7. Daily fall of rain by Osler's gauge 1.68in.
8	R	Overcast; raining.	
8	R	,, ,,	
8	R	Overcast with ≀∩⌊, moving NNE; raining lightly.	
8	R	Overcast with ≀∩⌊, moving NE; rain ceased at 4h. 34m.	
8	L	Overcast with ≀∩⌊, moving NE.	
8	L	Overcast.	
8	L	,,	
8	C	,,	
8	C	,,	
8	C	Overcast; light rain at 10h. 36m. which lasted 3m.	
8	C	Overcast; drops of rain now and then.	
8	C	Overcast; no rain.	
8	R	,, ,,	
8	R	Overcast with ≀∩⌊, moving E; a shower of rain at 2h. 21m. which lasted 2m.	
8	R	Overcast with ≀∩⌊, moving ENE.	
8	R	Overcast with ≀∩⌊, moving NE; light rain from 4h. 32m. to 4h. 56m.	
8	L	Overcast; no rain.	
8	L	Overcast; light rain from 6h. 34m. to 6h. 50m.	
8	L	Overcast; light rain at 7h. 18m. which lasted 10m. and a passing shower at 7h. 54m.	
8	L	Overcast; no rain.	
8	L	Overcast; rain commenced at 9h. 49m.	
8	C	Overcast; rain ceased at 10h. 52m.	
8	C	Overcast; passing drops of rain after 11h. 52m.	
8	C	Overcast with ≀∩⌊, moving E; passing drops of rain till 0h. 30m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 85°5. Daily fall of rain by Osler's gauge 0.86in.
8	R	Overcast; rain commenced at 1h. 14m. and ceased at 1h. 36m.	
8	R	Overcast; rain accompanied with high winds commenced at 2h. 50m.	
8	R	Overcast; rain ceased at 3h. 4m.	
8	R	Overcast; no rain.	
8	L	,, ,,	
8	L	Overcast; a passing shower of rain at 6h. 26m.	
8	L	Overcast; no rain.	
8	C	Overcast; a few drops of rain at 8h. 27m.	
8	C	Overcast; no rain.	
8	C	Overcast with ≀∩⌊, moving ENE; rain at 10h. 37m. which lasted 3m.	
8	C	Overcast; light rain commenced at 11h. 42m.	
8	C	Overcast; raining lightly.	
8	R	Overcast with ≀∩⌊, moving NE; drops of rain falling.	
8	R	Overcast with ≀∩⌊, moving ENE; light rain from 2h. 15m. to 2h. 50m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀∩⌊, moving NE; a few drops of rain between 4h. 38m. and 4h. 41m.	
8	B	Overcast; a few drops of rain at 5h.	
8	B	Overcast; no rain.	
8	B	,, ,,	
8	B	Overcast; a few drops of rain at 8h. 18m.	
8	B	Overcast; rain at 9h. 9m. which lasted 6m.	
8	B	Overcast; passing showers of rain.	
8	B	Overcast; a passing shower of rain at 11h. 6m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 25th-Midnight	29.573	28.612	79°8	79°0	0°8	78°7	0.97	80°0	82°1	WSW	½ to 2					
1 a. m.	.551	.652	79.1	77.3	1.8	76.6	.92	79.0	82.0	„	½ to 4½	0·01				
2 „	.537	.653	79.4	77.0	2.4	76.1	.90	79.5	82.0	SW	1.0					
3 „	.533	.631	79.7	77.5	2.2	76.7	.91	79.8	82.0	WSW	1.0					
4 „	.533	.654	79.8	77.0	2.8	75.9	.88	79.9	82.0	„	1.0					
5 „	.553	.649	79.0	77.4	1.6	76.8	.93	79.6	82.0	„	½ to 2½					
6 „	.576	.697	78.8	76.7	2.1	75.9	.91	78.8	82.0	W b S	½ to 2	00.1				
7 „	.590	.697	80.0	77.4	2.6	76.4	.89	80.2	82.0	„	0 to 1½					
8 „	.610	.705	79.6	77.6	2.0	76.8	.92	79.6	82.0	WSW	½ to 1½					
9 „	.628	.731	81.8	78.0	3.8	76.5	.85	82.0	82.2	„	½ to 1½					
10 „	.626	.707	83.6	79.0	4.6	77.3	.82	83.2	82.2	„	½ to 1½					
11 „	.623	.676	84.5	79.9	4.6	78.2	.82	83.8	82.3	W b N	½ to 2					
Noon.	.609	.653	84.8	80.2	4.6	78.5	.82	84.1	82.3	WSW	½ to 2½		None.	None.	None.	None.
1 p. m.	.594	.644	85.4	80.2	5.2	78.3	.80	84.8	82.6	„	½ to 2					
2 „	.581	.652	84.7	79.5	5.2	77.6	.80	83.5	82.7	SW b W	½ to 2					
3 „	.574	.617	85.1	80.3	4.8	78.5	.81	84.7	82.8	SW b S	½ to 3					
4 „	.572	.625	84.2	79.8	4.4	78.2	.83	83.7	82.9	„	½ to 1½					
5 „	.571	.621	82.8	79.5	3.3	78.3	.87	82.5	82.9	SW	½ to 1½					
6 „	.587	.682	81.8	78.2	3.6	76.8	.86	81.6	82.8	SW b S	½ to 2					
7 „	.604	.704	80.8	77.8	3.0	76.6	.88	81.0	82.7	SW	½ to 1½					
8 „	.620	.710	80.6	78.0	2.6	77.0	.89	80.9	82.7	WSW	½ to 2½					
9 „	.644	.734	80.6	78.0	2.6	77.0	.89	81.0	82.6	SW b W	½ to 1½					
10 „	.654	.767	80.2	77.3	2.9	76.2	.88	80.4	82.5	„	½ to 1½					
11 „	.654	.750	80.4	77.8	2.6	76.8	.89	80.5	82.4	SW	½ to 1½					
July 26th-Midnight	.644	.761	80.2	77.2	3.0	76.0	.88	80.3	82.4	SW	½ to 1½					
1 a. m.	.616	.740	80.1	77.0	3.1	75.8	.87	80.2	82.4	SW b W	½ to 2					
2 „	.598	.701	80.1	77.5	2.6	76.5	.89	80.2	82.2	SW	0 to 2					
3 „	.597	.687	79.7	77.7	2.0	77.0	.92	80.0	82.1	WSW	½ to 1½					
4 „	.585	.703	79.5	77.0	2.5	76.0	.90	79.8	82.0	SW b S	½ to 1½					
5 „	.590	.689	77.8	77.0	0.8	76.7	.97	78.2	82.0	„	½ to 4½	0.15				
6 „	.606	.716	78.8	77.0	1.8	76.3	.92	79.0	82.0	SW b W	½ to 3					
7 „	.616	.700	78.6	77.6	1.0	77.2	.96	78.8	82.0	„	½ to 5	0.04				
8 „	.627	.740	78.1	76.7	1.4	76.2	.94	78.8	81.9	WSW	½ to 5	0.05				
9 „	.641	.700	81.6	79.0	2.6	78.0	.89	81.5	82.0	SW b W	½ to 4		None.	None.	None.	None.
10 „	.641	.745	77.5	76.8	0.7	76.5	.97	87.6	81.8	WSW	½ to 4½	0.07				
11 „	.632	.711	78.5	77.7	0.8	77.3	.97	79.3	81.7	SW b S	½ to 1½	0.08				
Noon.	.611	.681	78.8	78.0	0.8	77.7	.97	78.5	81.7	W b S	½ to 2	0.25				
1 p. m.	.596	.610	81.4	80.0	1.4	79.5	.94	81.0	81.7	„	½ to 3					
2 „	.586	.638	82.5	79.4	3.1	78.3	.88	82.3	82.1	„	½ to 4					
3 „	.569	.637	78.6	78.0	0.6	77.7	.97	78.8	82.1	„	½ to 4½	0.12				
4 „	.559	.642	80.0	78.0	2.0	77.2	.92	80.2	82.0	WNW	0 to 2					
5 „	.570	.624	80.4	78.8	1.6	78.2	.93	80.5	82.1	W	½ to 2½					
6 „	.585	.657	80.1	78.3	1.8	77.6	.92	80.3	82.1	W b N	½ to 3½					
7 „	.607	.690	80.0	78.0	2.0	77.2	.92	80.3	82.0	W b S	½ to 3½					
8 „	.629	.712	80.0	78.0	2.0	77.2	.92	80.2	82.0	„	½ to 1½					
9 „	.641	.724	80.0	78.0	2.0	77.2	.92	80.3	82.0	„	0 to 1½					
10 „	.659	.742	80.0	78.0	2.0	77.2	.92	80.1	82.0	W	½ to 1½					
11 „	.655	.738	80.0	78.0	2.0	77.2	.92	80.1	81.8	„	0 to 1½					
July 27th-Midnight	.637	.718	79.8	78.0	1.8	77.3	.92	80.0	81.6	WSW	½ to 1½					
1 a. m.	.620	.703	79.8	77.9	1.9	77.2	.92	80.0	81.9	W b S	½ to 2					
2 „	.532	.687	79.5	77.3	2.2	76.5	.90	79.6	81.9	W	½ to 2					
3 „	.578	.657	79.6	78.0	1.6	77.4	.93	79.7	81.8	SW	½ to 1					
4 „	.592	.675	79.4	77.8	1.6	77.2	.93	79.7	81.7	„	½ to 1½					
5 „	.602	.685	79.4	77.8	1.6	77.2	.93	79.7	81.7	„	½ to 3½		None.	None.	None.	None.
6 „	.615	.731	77.2	76.4	0.8	76.1	.97	77.8	81.7	„	½ to 2½	0.05				
7 „	.621	.735	77.0	76.4	0.6	76.1	.97	77.4	81.5	W b N	½ to 2½	0.52				
8 „	.617	.740	77.3	77.1	0.2	77.0	.99	77.2	81.5	W b S	½ to 2½	0.15				
9 „	.6..	.719	79.2	78.2	1.0	77.8	.96	77.3	81.5	WNW	½ to 1½	0·09				
10 „	.654	.688	79.4	79.0	0.4	78.9	.98	79.5	81.6	NW	½ to 1	0·14				
11 „	.652	.704	82.5	79.4	3.1	78.3	.88	82.0	81.7	WNW	½ to 1½					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
6	C	⌒i scattered throughout, moving E; light rain from 0h. 36m. to 12h. 55m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 85°4. Daily fall of rain by Osler's gauge 0.20in.
6	R	⌒i scattered about, moving E.	
4	R	⌒i scattered around hor. and about zth.; a few patches of ⌒i in S.	
6	R	⌒i scattered about, moving NE.	
7	R	Densely clouded with ⌒i.	
7	L	Densely clouded; light rain at 5h. 4m. and at 5h. 57m. which lasted respectively at 16m. and 2m.	
8	L	Overcast with ⌒i, moving NE.	
8	L	Overcast; a passing shower of rain at 7h. 51m.	
8	C	Overcast; no rain.	
7	C	⌒i scattered throughout, moving NE.	
7	C	" "	
7	C	" "	
7	C	A few ⌒i above S hor.; otherwise clouded with ⌒i, moving NE.	
7	R	A few ⌒i in N and E; ⌒i scattered throughout, moving NE.	
8	R	Overcast with ⌒i, moving E; drizzling rain at 2h. which lasted 3m.	
8	R	Overcast with ⌒i and ⌒i, former moving E.	
8	R	" "	
8	L	Overcast with ⌒i and ⌒i, both moving ENE.	
7	L	Densely clouded with ⌒i and ⌒i, former moving ENE; a passing shower of rain at 6h. 42m.	
7	L	⌒i scattered throughout, except about zth.	
7	L	⌒i scattered throughout, moving ENE.	
8	L	Overcast with ⌒i; a few stars dimly visible.	
7	C	⌒i scattered throughout, moving NE.	
8	C	" "	
8	C	Overcast with ⌒i, moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 85°4. Daily fall of rain by Osler's gauge 0.78in.
2	R	⌒i scattered about hor., moving NE; ⌒i in E of zth.	
6	R	⌒i scattered about, moving NE.	
8	R	Overcast with ⌒i; light rain at 3h. 17m. which ceased at 3h. 20m.	
8	R	Overcast with ⌒i and ⌒i, former moving E; light rain from 4h. 32m. to 4h. 51m.	
8	L	Overcast with ⌒i, moving NE.	
6	L	⌒i scattered throughout; light rain at 6h. 20m. which lasted 3m.	
8	L	Overcast with ⌒i; rain commenced at 7h. 20m. and ceased at 7h. 40m.	
8	R	Overcast; no rain.	
8	R	Overcast; rain commenced at 10h. 39m.	
8	R	Overcast; rain ceased at 10h. 39m.	
8	R	Overcast with ⌒i, moving ENE; raining lightly at the time of observation.	
8	C	Overcast; raining ceased at 0h. 14m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain commenced at 2h. 33m.	
8	C	Overcast; rain ceased at 3h. 14m. but a passing shower of rain at 3h. 36m.	
8	C	Overcast; no rain.	
8	L	Overcast; light rain at 5h. 23m. which lasted 3m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ⌒i, moving E; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 85°4. Daily fall of rain by Osler's gauge 1.08in.
8	R	Overcast with ⌒i, moving E.	
8	R	Overcast with ⌒i, moving NE.	
6	R	⌒i scattered throughout.	
8	R	⌒i around hor.; ⌒i and ⌒i scattered throughout.	
8	L	Overcast with ⌒i, moving NE; light rain from 5h. 21m. to 5h. 37m.	
8	L	Overcast; light rain from 6h. 15m. to 6h. 58m.	
8	L	Overcast; drizzling rain commenced at 7h. 18m.	
8	C	Overcast; drizzling rain.	
8	C	Overcast with ⌒i, moving E; showers of rain at 9h. 34m. and at 9h. 49m.	
8	C	Overcast; no rain.	
8	C	" "	

Bombay Civil Time, 1859.	Standard Barometer.		Thermometer.			Reduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 27th–Noon.	29.645	28.712	82°4	79°0	3°4	77°8	0.86	82°0	82°0	NW	½ to 2					
1 p. m.	.630	.677	81.3	79.2	2.1	78.4	.91	81.3	81.8	WNW	0 to 1½	0.08				
2 „	.626	.715	80.9	78.1	2.8	77.0	.89	80.7	81.9	„	0.3					
3 „	.608	.672	81.0	78.7	2.3	77.9	.91	80.8	82.0	W b N	½ to 2					
4 „	.596	.668	80.1	78.3	1.8	77.6	.92	80.1	81.9	WSW	½ to 1	0.01				
5 „	.607	.693	79.9	77.9	2.0	77.1	.92	80.0	81.9	„	½ to 1					
6 „	.613	.696	80.0	78.0	2.0	77.2	.92	80.0	81.9	„	½ to 1½		None.	None.	None.	None.
7 „	.626	.734	78.6	77.0	1.6	76.4	.93	79.0	81.8	„	½ to 1					
8 „	.634	.726	79.0	77.5	1.5	76.9	.94	79.4	81.6	„	0.3					
9 „	.640	.716	79.4	78.0	1.4	77.5	.94	79.8	81.6	„	0.5					
10 „	.656	.731	79.6	78.1	1.5	77.5	.94	79.9	81.5	„	0.4					
11 „	.660	.741	79.8	78.0	1.8	77.3	.92	80.0	81.5	„	0.6					
July 29th–Midnight	.648	.729	79.8	78.0	1.8	77.3	.92	80.0	81.8	W b S	0 to 1½					
1 a. m.	.625	.706	79.8	78.0	1.8	77.3	.92	80.0	81.8	W	0 to 1½					
2 „	.615	.697	79.9	78.0	1.9	77.3	.92	80.0	81.7	W b S	0 to 1½					
3 „	.610	.752	79.2	76.3	2.9	75.1	.88	79.1	81.7	„	0.3					
4 „	.606	.742	79.0	76.4	2.6	75.4	.89	79.0	81.6	WSW	0.1					
5 „	.609	.753	78.4	76.0	2.4	75.1	.90	78.8	81.6	W	0.8					
6 „	.626	.758	78.3	76.3	2.0	75.6	.92	78.6	81.6	W b S	0.5					
7 „	.639	.729	79.5	77.7	1.8	77.0	.93	79.8	81.5	„	0.5					
8 „	.663	.755	80.4	78.0	2.4	77.1	.90	80.6	81.5	„	0 to 2					
9 „	.674	.772	81.4	78.0	3.4	76.7	.86	81.3	81.6	„	0 to 1					
10 „	.678	.731	83.4	79.6	3.8	78.2	.85	83.0	81.9	„	½ to 1½					
11 „	.677	.737	83.2	79.4	3.8	78.0	.85	83.0	82.0	„	½ to 1					
Noon.	.671	.695	84.6	80.6	4.0	79.2	.84	84.0	82.2	W	½ to 1		None.	None.	None.	None.
1 p. m.	.643	.657	84.5	80.8	3.7	79.5	.86	83.9	82.3	SW	0.4					
2 „	.625	.632	84.6	81.0	3.6	79.7	.86	84.0	82.4	„	0.5					
3 „	.612	.622	84.5	80.9	3.6	79.6	.86	83.9	82.5	„	0.2					
4 „	.601	.628	82.5	80.0	2.5	79.1	.90	82.3	82.5	SW b W	0.2					
5 „	.611	.713	81.7	78.0	3.7	76.6	.85	81.5	82.5	SW	0.4					
6 „	.622	.704	81.4	78.4	3.0	77.3	.88	81.3	82.4	„	0.5					
7 „	.633	.746	79.8	77.2	2.6	76.2	.89	80.2	82.3	„	0.8	0.01				
8 „	.646	.729	80.0	78.0	2.0	77.2	.92	80.3	82.2	„	0.3					
9 „	.654	.741	79.2	77.7	1.5	77.1	.94	79.6	82.2	„	0.5					
10 „	.664	.745	79.8	78.0	1.8	77.3	.93	79.8	82.1	„	0.5	0.01				
11 „	.651	.727	79.4	78.0	1.4	77.5	.94	79.9	81.9	SW b W	0.3					
July 30th–Midnight	.647	.726	79.6	78.0	1.6	77.4	.93	80.0	81.9	SW	½ to 2½					
1 a. m.	.614	.784	77.9	75.2	2.7	74.1	.89	78.4	81.9	W b S	½ to 1					
2 „	.601	.697	78.3	77.2	1.1	76.8	.95	78.9	81.7	SW b S	0.2					
3 „	.593	.719	78.5	76.5	2.0	75.7	.92	78.9	81.7	„	0 to 1½					
4 „	.593	.685	77.2	77.0	0.2	76.9	.99	78.0	81.5	SW	½ to 2					
5 „	.600	.688	79.0	77.6	1.4	77.1	.94	79.2	81.5	„	0 to 1					
6 „	.627	.721	79.2	77.5	1.7	76.8	.93	79.4	81.5	„	0.4					
7 „	.648	.737	79.8	77.8	2.0	77.0	.92	79.9	81.5	WSW	0.8					
8 „	.679	.745	80.4	78.5	1.9	77.8	.92	80.4	81.5	SW b S	0.3					
9 „	.686	.779	80.9	78.0	2.9	76.9	.88	80.9	81.5	SW	0 to 1½					
10 „	.686	.829	80.0	76.5	3.5	75.1	.86	80.0	81.5	„	½ to 3					
11 „	.680	.809	78.4	76.4	2.0	75.6	.92	79.0	81.5	SW b S	½ to 2½		None.	None.	None.	None.
Noon.	.663	.766	79.9	77.6	2.3	76.7	.90	79.0	81.6	SW	0.2	0.02				
1 p. m.	.656	.789	80.5	76.9	3.6	75.5	.85	79.9	81.8	WSW	0 to 1					
2 „	.649	.708	80.5	78.7	1.8	78.0	.93	80.7	81.7	„	½ to 2					
3 „	.628	.705	80.9	78.1	2.8	77.4	.89	81.0	81.8	„	¼ to 1½					
4 „	.620	.680	81.7	79.0	2.7	78.0	.90	81.6	81.8	„	0.1					
5 „	.613	.678	81.4	78.8	2.6	77.8	.89	81.3	82.0	„	0 to ¾					
6 „	.632	.713	80.6	78.2	2.4	77.3	.90	80.6	81.9	„	0.2					
7 „	.639	.772	78.8	76.4	2.4	75.5	.90	79.3	81.7	„	0.2					
8 „	.648	.714	77.2	78.2	1.0	77.8	.96	79.5	81.7	SW b W	0.5	0.01				
9 „	.668	.774	79.2	77.2	2.0	76.4	.92	79.5	81.7	SW b S	0 to 1					
10 „	.678	.775	79.5	77.5	2.0	76.7	.92	79.7	81.7	„	0.4					
11 „	.669	.764	79.6	77.6	2.0	76.8	.92	79.7	81.7	„	0.2					

Amount of Clouds 0 — 8.	Observers.	STATE OF THE WEATHER. NOTE.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	REMARKS.
8	C	Overcast; a shower of rain at 12h. 24m. which lasted 4m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; light rain at 3h. which ceased at 3h. 30m.	
8	R	Overcast with , moving ENE; light rain at 4h. which ceased at 4h. 10m.	
8	L	Overcast; no rain.	
8	L	Overcast; a passing shower at 6h. 44m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
7	C	scattered throughout, moving E.	
8	C	" "	
8	C	Overcast with , moving ENE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 85°1. Daily fall of rain by Osler's gauge 0.03in.
8	R	Overcast with , moving ENE.	
6	R	Dence scattered throughout, moving E.	
6	R	" "	
5	R	scattered throughout, moving E; patches of in S and E.	
8	L	Overcast with , moving ENE.	
8	L	" "	
8	L	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with , moving NE.	
8	C	A few patches of about zth.; otherwise clouded with .	
8	R	" "	
8	R	and about zth., otherwise clouded with .	
8	R	Overcast with , moving NE.	
8	R	Overcast with , moving ENE.	
8	L	Overcast with , moving NE.	
8	L	Overcast; a shower of rain at 6h. 19m. which lasted 2m.	
8	L	Overcast; no rain.	
8	L	Overcast; a few stars dimly visible about zth.	
8	L	Overcast; a shower of rain at 9h. 57m. which lasted 2m.	
8	L	Overcast; no rain.	
8	C	Overcast; a few stars dimly visible about zth.	
8	C	Overcast with , moving ENE; drizzling rain at 0h. 22m. which lasted 6m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 85°1. Daily fall of rain by Osler's gauge 0.03in.
6	R	scattered about, moving NE.	
6	R	" "	
5	R	scattered about; drizzling rain between 3h. 24m. and 3h. 35m.	
8	R	Overcast with , moving NE.	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	Overcast; a passing shower of rain at 8h. 9m.	
8	C	Overcast; no rain.	
8	C	Overcast; drizzling rain at 10h. 39m. which lasted 2m.	
8	C	Overcast; passing showers of rain.	
8	C	Overcast; no rain.	
8	R	Overcast; light rain from 1h. 5m. to 1h. 15m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	L	" "	
8	L	Overcast; drops of rain were falling between 6h. 36m. and 6h. 48m.	
8	L	Overcast; light rain at 7h. 22m. which lasted 12m.	
6	L	scattered about, moving NE.	
6	L	" "	
7	C	scattered throughout, moving NE.	
8	C	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches above the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in reckoning the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 1st-Midnight	29.691	28.770	79°6	78°0	1°6	77°4	0.93	79°8	81°5	WSW	0.2					
1 a. m.	.680	.755	79.3	78.0	1.3	77.5	.95	79.5	81.5	,,	0·4	0.01				
2 ,,	.668	.759	79.2	77.6	1.6	76.9	.93	79.4	81.4	,,	0·0					
3 ,,	·658	.730	79.0	78.0	1.0	77.6	.96	79.3	81.4	,,	0.3					
4 ,,	.658	.712	79.4	77.8	1.6	78.2	.93	79.6	81.4	,,	0.8					
5 ,,	.650	.750	79.4	77.4	2.0	76.6	.92	79.5	81.4	,,	0.5					
6 ,,	.678	.756	79.5	78.0	1.5	77.4	.94	79.8	81.4	,,	0.2					
7 ,,	.691	.750	80.1	78.6	1.5	78.0	.94	80.1	81.5	SW b W	0.1					
8 ,,	.707	.790	80.4	78.1	2.3	77.2	.90	80.2	81.5	,,	0.1					
9 ,,	.727	.810	81.1	78.3	2.8	77.2	.89	81.0	81.5	SW	0·6					
10 ,,	.735	.786	82.4	79.4	3.0	78.3	.88	82.1	81.7	,,	0.4					
11 ,,	.732	.770	83.2	79.9	3.3	78.7	.87	82.8	81.8	WSW	0.4					
Noon.	.725	.860	83.2	77.6	5.6	75.2	.78	82.2	82.0	,,	0.8		None.	None.	None.	None.
1 p. m.	.722	.819	80.5	77.8	2.7	76.7	.89	80.8	81.8	,,	0·5					
2 ,,	.708	.819	81.6	77.8	3.8	76.3	.85	81.5	81.8	,,	0·3					
3 ,,	.694	.798	81.2	77.8	3.4	76.5	.86	81.0	81.8	,,	0·2					
4 ,,	.690	.800	81.0	77.6	3.4	76.3	.86	80.9	81.6	SW b W	0·1					
5 ,,	.694	.799	80.7	77.6	3.1	76.5	.87	80.6	81.8	,,	0·1					
6 ,,	.704	.827	80.4	77.1	3.3	75.8	.86	80.2	81.9	SW	0·1					
7 ,,	.724	.848	80.1	77.0	3.1	75.8	.87	80.1	81.7	SW b S	0·1					
8 ,,	.737	.859	79.9	77.0	2.9	75.9	.88	80.0	81.9	,,	0·1					
9 ,,	.763	.876	79·8	77.2	2.6	76.2	.89	80.0	81.8	SSW	0·1					
10 ,,	.766	.879	79.8	77.2	2.6	76.2	.89	80.0	81.8	,,	0.1					
11 ,,	.762	.866	79.8	77.4	2.4	76.5	.90	80.0	81.7	SW b S	0.2					
Aug. 2nd-Midnight	.749	.853	79.8	77.4	2·4	76.5	.90	80.0	81.7	SW b S	0.2					
1 a. m.	.737	.834	79.5	77.5	2.0	76.7	.92	79.7	81.6	,,	0.2					
2 ,,	·728	·825	78.4	77.2	1.2	76.7	.95	78.6	81.3	,,	0.4	0·10				
3 ,,	.724	.832	78.6	77.0	1.6	76.4	.93	79.0	81.2	SW b W	0.4					
4 ,,	.724	.832	78.6	77.0	1.6	76.4	.93	79.0	81.2	,,	0.2					
5 ,,	·728	.827	77.8	77.0	0.8	76.7	.97	78.4	81.1	W b S	0.1	0.05				
6 ,,	.735	.830	78.6	77.3	1.3	76.8	.95	78.9	81.4	WSW	0.1					
7 ,,	.759	.843	79.3	77.8	1.5	77.2	.94	79.4	81.4	,,	0.0					
8 ,,	·778	.853	80.4	78.3	2.1	77.5	.91	80.3	81.4	SW b W	0.1					
9 ,,	.793	.868	81.6	78.6	3.0	77.5	.88	81·5	81.5	,,	0.2					
10 ,,	.794	·857	82.0	79.0	3.0	77.9	.88	81.8	81.6	WSW	0·4					
11 ,,	.789	.929	79.4	76.4	3·0	75.2	.88	79.4	81.5	WNW	0·5		None.	None.	None.	None.
Noon.	.779	.930	80.4	76.4	4.0	74.8	.84	79.6	81.5	,,	1.0					
1 p. m.	.763	.869	79.7	76.5	3.2	76.4	.87	79.9	81.5	W	0.1					
2 ,,	.758	.897	80.6	77.6	3.0	75.2	.88	80.6	81.5	,,	0·0					
3 ,,	·746	.857	80.8	77.5	3.3	76.6	.87	80.8	81.5	W b S	0.1					
4 ,,	.739	.866	79.6	76.8	2.8	75.7	.88	79.7	81.5	W b N	0.1					
5 ,,	.725	.873	79.5	76.2	3.3	74.9	.86	79.7	81.6	WSW	0.1					
6 ,,	·738	.889	79.4	76.1	3.3	74.8	.86	79.3	81.5	W b S	0·0					
7 ,,	.758	.874	79.4	77.0	2.4	76.1	.90	79.5	81.5	WSW	0·0					
8 ,,	.763	.877	79.2	77.0	2.2	76.1	.91	79.0	81.4	WNW	0·2					
9 ,,	.778	.894	78.6	76.8	1.8	76.1	.92	78.8	81.3	,,	0·2					
10 ,,	.788	.907	78.2	76.6	1.6	76.0	.93	77.8	81.2	SW	0.1	0.08				
11 ,,	.779	.876	77.6	77.0	0.6	76.7	.97	78.3	81.1	SW b W	0·2					
Aug. 3rd-Midnight	.761	.872	78.2	76.8	1.4	76.3	.94	78.7	81.1	SW b W	0.2					
1 a. m.	.751	.880	78.2	76.6	1.6	75.6	.93	78.6	81.0	,,	0.1					
2 ,,	.742	.853	78.2	76.8	1.4	76.3	.94	78.8	81.0	,,	0.2					
3 ,,	.742	.850	78.6	77.0	1.6	76.4	.93	79.0	81.0	,,	0.1					
4 ,,	.733	.828	78.9	77.1	1.8	76.8	.92	79.0	81.0	,,	0.1					
5 ,,	.751	.748	79.0	77.3	1.7	76.7	.93	79.1	81.0	,,	0.1					
6 ,,	.773	.870	79.1	77.2	1.9	76.7	.92	79.2	81.2	WSW	0.1	None.	None.	None.	None.	None.
7 ,,	.791	.873	79.9	78.0	1.9	77.3	.92	79.9	81.2	SW b W	0.1					
8 ,,	.808	.906	80.6	78.5	2.1	76.7	.91	80.6	81.3	,,	0·1					
9 ,,	.826	.887	82.6	79.2	3.4	78.0	.86	82.3	81.4	WSW	0·1					
10 ,,	.836	.831	84.4	81.2	3.2	80.1	.87	84.1	81.5	,,	0.3					
11 ,,	.828	.867	84.8	80.3	4.5	78.7	.83	84.3	81.8	W b S	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ∿i nimbi.	
8	B	Overcast with ∿i, moving NE; light rain at 0h. 6m. and at 0h. 48m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 85°1. Daily fall of rain by Osler's gauge 0.01in.
8	C	Overcast; a few stars dimly visible in W.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	Overcast with ∿i; a few patches of ∿i about zth.	
8	R	Overcast.	
8	R	"	
8	R	"	
8	L	"	
8	L	"	
8	L	"	
8	L	Overcast; drizzling rain at 12h. 30m. which lasted 3m.	
8	C	Overcast; no rain.	
8	C	Overcast with ∿i, moving E; a few drops of rain betwen 2h. 7m. and 2h. 17m.	
8	C	Overcast; no rain.	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	Overcast with ∿i and ∿i, former moving NE; break in W.	
6	R	∿i and ∿i scattered throughout.	
8	L	Overcast with ∿i, moving NE.	
8	L	" "	
7	L	∿i scattered throughout, moving NE.	
8	L	Overcast with ∿i, moving NE; a few stars visible in NW.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 85°1. Daily fall of rain by Osler's gauge 0.22in.
8	C	Overcast; drizzling rain between 1h. 46m. and 1h. 58m.	
8	C	Overcast; a few stars dimly visible in W.	
8	C	" "	
8	C	Overcast; light rain at 4h. 30m. which lasted 6m.	
8	R	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	L	"	
8	L	Overcast; a few drops of rain at 10h. 46m.	
8	L	Overcast with ∿i, moving E.	
8	L	Overcast; light rain from 12h. 2m. to 12h. 12m.	
8	C	Overcast; no rain.	
8	C	Overcast with ∿i, moving ENE.	
8	C	Overcast; drizzling rain at 3h. 38m. which lasted 2m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	Overcast with ∿i, moving E; rain commenced at 8h. 57m.	
8	L	Overcast; rain ceased at 9h. 15m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	Overcast with ∿i, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's gauge 0.01in.; the temperature of evaporation at 10 A. M. was 81°2 greatest in the month, and about 1°8 greater than the normal mean.
8	C	Overcast with ∿i, moving NE.	
8	C	Overcast.	
8	C	"	
8	R	"	
8	R	"	
8	R	"	
8	R	"	
8	R	"	
8	L	"	
8	L	Overcast; a few ∿i in E.	
8	L	∿i scattered throughout, moving E; a few drops of rain at 1h. 17m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 3rd–Noon.	29.816	28.905	84·4	79·0	5·4	77·0	0.79	84·0	81·8	SW	0.2	0.01				
1 p. m.	.812	·923	85.6	78.8	6.8	76.3	.75	84.5	82.0	,,	0.2					
2 ,,	.796	.912	83.4	78.1	5.3	76.1	.79	82.3	82.1	W	0.2					
3 ,,	.787	.900	83.5	78.2	5.3	76.2	.79	83.0	82.1	,,	0.1					
4 ,,	.787	.917	83.5	77.8	5.7	75.5	.78	82.6	82.1	,,	0.1					
5 ,,	.768	.894	82.6	77.6	5.0	75.7	.80	82.0	82.3	W b N	0.1		None.	None.	None.	None.
6 ,,	.788	.906	80.3	77.2	3.1	76.0	.87	80.3	82.0	,,	0.1					
7 ,,	.797	.901	80.1	77.5	2.6	76·5	.89	80.0	81.9	W	0.1					
8 ,,	.801	.919	79.5	77.0	2.5	76.0	.90	79.7	81.8	SW	0.1					
9 ,,	.810	.935	79.0	76.7	2.3	75.8	.91	79.5	81.8	SW b S	0.1					
10 ,,	.818	.956	79.2	76.4	2.8	75.3	.88	79.6	81.7	,,	0.1					
11 ,,	.808	.940	79.4	76.6	2.8	75.5	.88	79.6	81.7	WSW	0.0					
Aug. 4th-Midnight	.790	.924	79.2	76.5	2.7	75.4	.89	79.6	81.7	SW	0.1					
1 a. m.	·769	.899	79.2	76.6	2.6	75.6	.89	79.4	81.4	,,	0.2					
2 ,,	.759	.893	78.2	76.2	2.0	75.4	.92	78.4	81.2	SW b W	0.2	0.01				
3 ,,	.756	.885	78.0	76.3	1.7	75.6	.93	78.3	81.2	W b S	0.1					
4 ,,	.759	·888	78.0	76.3	1.7	75.6	.93	78.8	81.1	WSW	0.0					
5 ,,	.752	.850	79.0	77.2	1.8	76.7	.92	79.1	81.1	,,	0.0					
6 ,,	.771	.884	79.1	77.0	2.1	76.2	.91	79.2	81.4	,,	0.0					
7 ,,	.785	.895	79.6	77.2	2.4	76.3	.90	79.7	81.4	,,	0·2					
8 ,,	.813	.904	80.7	78.0	2.7	76.9	.89	80.6	81.5	,,	0.2					
9 ,,	.827	.913	81.0	78.2	2.8	77.1	.89	80.8	81.4	SW b W	0.5					
10 ,,	.834	.904	82.6	79.0	3.6	77.7	.86	82·1	81.5	WSW	0·2					
11 ,,	.832	.896	84.0	79·5	4.5	77.9	.82	83.3	81.7	,,	0·2		None.	None.	None.	None.
Noon.	.820	.878	85.4	80.0	5.4	78.1	.79	84.6	81.9	,,	0·5					
1 p. m.	.802	.872	85.7	79.8	5.9	77.7	.78	84.3	82.0	,,	0.3					
2 ,,	.789	.831	86.2	80.6	5.6	78.6	.79	84.9	82.3	,,	0·3					
3 ,,	.778	.960	81.8	76.0	5.8	73.6	.77	81.4	82.1	,,	0.2					
4 ,,	.777	29.011	81.6	74.6	7.0	72.6	.73	81.4	82.0	,,	0.2					
5 ,,	.785	28.939	81.8	76·7	5.1	74.7	.80	81.3	82.1	W b S	0.1					
6 ,,	.805	.920	78.9	76.9	2.0	76.1	.92	79.1	82.0	SW	0.1	0.05				
7 ,,	·825	.926	78.0	77.0	1.0	76.6	.96	78.5	81.7	S	0.0					
8 ,,	.847	.950	78.2	77.0	1.2	76.5	.95	78.8	81.7	,,	0·0					
9 ,,	.847	.972	78.8	76.6	2.2	75.8	.91	79.3	81.7	WSW	0.0					
10 ,,	.845	.948	79.0	77.2	1.8	76.5	.92	79.5	81.8	SW	0.0					
11 ,,	.838	.971	78.8	76.4	2.4	75.5	.90	79.1	81.7	,,	0.1					
Aug. 5th-Midnight	.818	.936	78.8	76.8	2.0	76.0	.92	79.3	81·5	WSW	0.1					
1 a. m.	.795	.908	79.1	77.0	2.1	76.2	.91	79.4	81.3	,,	0.1					
2 ,,	.783	.912	79.1	76.6	2.5	75.6	.90	79.4	81.3	,,	0.1					
3 ,,	.767	.881	79.2	77.0	2.2	76.1	.91	79.4	81.2	,,	0.3					
4 ,,	.767	.881	79.2	77.0	2.2	76.1	.91	79.5	81.2	,,	0.2					
5 ,,	.775	.883	79.4	77.2	2.2	76.4	.91	79.5	81.1	,,	0·2					
6 ,,	.782	.897	79.3	77.0	2.3	76.1	.90	79.4	81.5	,,	0·2					
7 ,,	.812	.933	79.8	77.0	2.8	75.9	.88	79.8	81.4	,,	0.1					
8 ,,	.833	.910	81.4	78.5	2.9	77.4	.88	81.1	81.4	,,	0.1					
9 ,,	.840	29.030	80.4	75.4	5.0	73.3	.80	80.3	81.3	W b S	0.4					
10 ,,	.842	28.914	82.8	79.0	3.8	77.6	.85	82.4	81.5	,,	0.2					
11 ,,	.841	.901	83.2	79.4	3.8	78.0	.85	82.9	81.6	SW b W	0.3		None.	None.	None.	None.
Noon.	.830	.920	85.2	79.2	6.0	77.0	.77	84.2	81.8	SW	0.3					
1 p. m.	.816	.910	84.8	79.0	5.8	76.8	.78	84.0	81.9	W b S	0.2					
2 ,,	.800	.898	85.2	79.0	6.2	76.7	.76	84.2	82.0	,,	0·2					
3 ,,	.795	.891	85.0	79.0	6.0	76.8	.77	84.0	82.2	,,	0·2					
4 ,,	.783	.918	81.8	77.2	4.6	75.4	.82	81.6	82.0	,,	0·2	0.01				
5 ,,	.787	.938	82.5	77.0	5.5	74.8	.79	82.0	82.2	,,	0·1					
6 ,,	.804	.927	81.5	77.4	4.1	75.8	.84	81.1	82.3	SW b W	0.2					
7 ,,	.825	.946	79.8	77.0	2·8	75.9	.88	79.7	81.9	W b S	0·1					
8 ,,	.841	.962	79.8	77.0	2.8	75.9	.88	80.0	81.9	W	0.1					
9 ,,	.843	.964	79.8	77.0	2.8	75.9	.88	80.0	81.8	WSW	0.2					
10 ,,	.845	.990	79.2	76.2	3.0	75.0	.88	79.4	81.8	W	0.2					
11 ,,	.833	.976	79.0	76.2	3.0	75.1	.88	79.3	81.7	WSW	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
7	L	Overcast with ; breaks in N and NE.	
7	C	Densely clouded with , except in E and SE.	
8	R	Overcast with , moving NE.	
7	C	scattered throughout, moving E.	
8	C	Overcast with , moving E.	
8	R	Overcast with and , former moving E; a drizzling rain at 5h. 30m. which lasted 4m.	
8	R	Overcast with , moving NE; a few about zth.	
8	R	Overcast with and , former moving E.	
8	R	around hor.; scattered about zth.; a few drops of rain at 8h. 38m.	
8	L	Overcast with , moving E.	
8	L	" "	
8	L	" "	
8	L	Overcast with , moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's gauge 0.08in.
8	C	Overcast; light rain from 1h. 49m. to 1h. 55m.	
8	C	Overcast; no rain.	
7	C	and scattered throughout, both moving E.	
8	C	Overcast with , moving E.	
8	R	Overcast with ; a few about zth.	
8	R	Overcast with , moving NE.	
8	R	" "	
8	R	" "	
8	L	Overcast with , moving E.	
8	L	Overcast with , moving NE.	
8	L	" "	
8	L	and scattered throughout, both moving ENE.	
6	C	around hor.; and scattered throughout.	
7	C	and scattered throughout, both moving E; a few above NE hor.	
8	C	Overcast with and , both moving E.	
8	C	Overcast with , moving E.	
8	R	Overcast; light rain from 5h. 32m. to 5h. 50m.	
8	R	Overcast with , moving ENE.	
8	R	Overcast with , moving NE.	
8	R	Overcast with , moving ENE.	
8	L	Overcast; a few stars dimly visible.	
8	L	" "	
6	L	scattered about, moving NE.	
5	L	scattered about, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's gauge 0.02in.
8	C	Overcast with , moving NE.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	"	
8	R	"	
8	R	Overcast with , moving ENE.	
7	R	scattered throughout, moving NE.	
8	L	Overcast with , moving NE.	
8	L	" "	
8	L	" "	
8	L	" "	
8	C	" "	
8	C	Overcast with , , and , former moving ENE.	
8	C	Overcast with and , former moving ENE; drizzling rain from 3h. 20m. to 3h. 29m.	
6	C	around hor., moving E; and scattered throughout.	
8	R	Overcast with ; a few about zth.	
6	R	scattered throughout; a few about zth.	
8	R	Overcast with and , former moving ENE; breaks in W.	
8	R	Overcast with and , former moving E; a few stars dimly visible.	
6	L	and scattered about, former moving E.	
3	L	" "	
2	L	Masses of scattered about hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 6th-Midnight	29.825	28.968	79°0	76°2	2°8	75°1	0.88	79°3	81°6	SW b W	0.1					
1 a. m.	.809	.947	79·2	76.4	2.8	75.3	.88	79.3	81.4	„	0.2					
2 „	.795	.927	79·0	76.5	2.5	75.5	.90	79.2	81.3	SW b S	0.1					
3 „	.783	.902	78.9	76.8	2.1	76.0	.91	79.1	81.3	WSW	0.4					
4 „	.779	.891	79.0	77.0	2.0	76.2	.92	79.1	81.2	„	0.3					
5 „	.785	.898	79.1	77.0	2.1	76.3	.91	79.3	81.0	„	0.1					
6 „	.803	.916	79.1	77.0	2.1	76.3	.91	79.0	81.4	„	0.1					
7 „	.818	.904	80.3	78.0	2.3	77.1	.90	80.2	81.5	„	0.1					
8 „	.837	.931	81.7	78.2	3.5	76.8	.86	81.2	81.5	„	0.0					
9 „	.845	.916	83.5	79.2	4.3	77.6	.83	82.5	81.6	SW	0.4					
10 „	.842	.922	83.5	79.0	4.5	77.3	.82	82.8	81.3	SW b W	0.2					
11 „	.834	.884	85.8	80.3	5.5	78.3	.79	84.3	82.0	„	0.3					
Noon.	.821	.900	85.8	79.6	6.2	77.4	.77	84.6	82.1	„	0.3		None.	None.	None.	None.
1 p. m.	.812	.951	82.6	77.3	5.3	75.2	.79	81.3	82.0	NW	0.3					
2 „	.795	.918	80.0	77.0	3.0	75.8	.88	79.5	82.0	„	0.1	0.04				
3 „	.789	.915	80.3	77.0	3.3	75.7	.87	80.0	82.0	W	0.1	0.04				
4 „	.785	.868	83.8	79.0	4.8	77.2	.81	82.9	82.1	W b S	0.1					
5 „	.777	.890	82.7	78.0	4.7	76.2	.82	82.0	82.1	WSW	0.1					
6 „	.786	.921	81.1	77.0	4.1	75.4	.84	80.8	82.2	„	0.1					
7 „	.814	.972	79.6	76.0	3.6	74.6	.85	79.8	82.0	„	0.1					
8 „	.823	.958	78.3	76.2	2.1	74.7	.91	78.5	81.8	„	0.1	0.05				
9 „	.829	.933	78.3	77.0	1.3	76.5	.94	78.7	81.5	W	0.1					
10 „	.842	.961	78.2	76.6	1.6	76.0	.93	78.7	81.5	„	0.1					
11 „	.835	.926	78.6	77.4	1.2	76.9	.95	78.9	81.5	WSW	0.1					
Aug. 8th-Midnight	.873	29.004	79·3	76.6	2.7	75.5	.89	79.4	81.7	W b S	0.1					
1 a. m.	.859	28.969	78.8	76.3	2.5	75.3	.90	79.0	81.6	WSW	0.0					
2 „	.852	.963	78.5	76.1	2.4	75.2	.90	78.8	81.6	SW b W	0.0					
3 „	.841	.983	78.2	76.0	2.2	75.1	.91	78.6	81.5	SW b S	0.0					
4 „	.843	.977	78.2	76.2	2.0	75.4	.92	78.7	81.3	SW	0.0					
5 „	.853	.988	78.3	76.2	2.1	75.4	.91	78.7	81.2	„	0.0					
6 „	.865	.996	77.9	76.2	1.7	75.5	.93	78.3	81.4	WSW	0.0	0.01				
7 „	.881	.984	78.9	77.2	1.7	76.5	.93	79.2	81.3	W	0.0					
8 „	.903	29.043	80.6	77.6	3.0	75.2	.88	80.5	81.4	„	0.0					
9 „	.918	.026	83.0	78.2	4.8	76.4	.81	82.5	81.5	„	0.1					
10 „	.916	.009	83.6	78.7	4.9	76.9	.81	82.9	81.6	„	0·1					
11 „	.891	.018	84.7	78.2	6.5	75.4	.75	83.1	81.7	WNW	0.1					
Noon.	.877	28.961	85.4	79.4	6.0	76.2	.77	84.0	82.0	W	0.1		None.	None.	None.	None.
1 p. m.	.853	.962	86.2	79.0	7.2	76.3	.73	84.5	82.2	WNW	0.2					
2 „	.837	.932	86.4	79.4	7.0	76.8	.74	84.5	82.3	„	0.2					
3 „	.823	.934	86.4	79.0	7.4	76.3	.73	84.6	82.4	„	0.2					
4 „	.813	.924	86.4	79.0	7.4	76.3	.73	84.6	82.4	„	0.2					
5 „	.811	.958	84.3	77.6	6.7	75.0	.74	83.0	82.6	„	0.2					
6 „	.815	.932	82.7	77.9	4.8	76.0	.81	81.8	82.5	W b N	0.1					
7 „	.828	.971	81.4	76.9	4.5	75.1	.82	80.9	82.3	„	0.1					
8 „	.845	.982	80.9	76.9	4.0	75.3	.84	80.5	82.3	„	0.1					
9 „	.842	.986	79.8	76.4	3.4	75.1	.86	80.0	82.2	W	0.0					
10 „	.853	.991	79.2	76.4	2.8	75.3	.88	79.6	82.1	„	0·0					
11 „	.848	.985	79.5	76.5	3.0	75.3	.88	79.7	82.0	WNW	0.1					
Aug. 9th-Midnight	.836	.991	79.4	76.0	3.4	74.7	.86	79.5	81.9	WNW	0.2					
1 a. m.	.823	.972	79.2	76.1	3.1	74.9	.87	79.3	81.6	„	0.0					
2 „	.801	.952	79.0	76.0	3.0	74.8	.88	79.0	81.5	W	0.1					
3 „	.795	.942	78.6	76.0	2.6	75.0	.89	79·0	81.4	„	0.2					
4 „	.806	.960	78.2	75.7	2.5	74.7	.89	78.6	81.2	„	0.1					
5 „	.815	.961	78.0	75.0	3.0	75.0	.87	78.3	81.2	WNW	0.1					
6 „	.827	.962	77.5	76.0	1.5	75.4	.94	78.0	81.4	W b N	0.0					
7 „	.836	.961	80.2	77.0	3.2	75.8	.87	80.0	81.4	W	0.0					
8 „	.853	.976	81.1	77.3	3.8	75.8	.85	80.7	81.5	„	0.0					
9 „	.865	.962	82.8	78.4	4.4	76.8	.83	82.0	81.5	WSW	0.1					
10 „	.855	.966	84.0	78.4	5.6	76.3	.78	83.3	81.7	W b S	0.1					
11 „	.839	.928	84.4	79.0	5.4	77.0	.79	83.7	81.8	„	0.2					

Less than one cent.

None. None. None. None.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	L	Overcast with ≈, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's gauge 1.14in.
8	C	" "	
8	C	" "	
7	C	≈ scattered about.	
7	C	≈ scattered throughout, moving ENE.	
7	R	Overcast; breaks about E hor.	
7	R	≈ around hor., moving E; ≈ scattered throughout.	
5	R	≈ in S and E; ≈ scattered throughout.	
7	R	Densely clouded with ≈; a few drops of rain at 8h. 58m.	
7	L	Densely clouded with ≈, moving NE.	
6	L	≈ and ≈ scattered throughout, both moving NE; a few ≈ in SW and W.	
3	L	≈ scattered about hor.; ≈ scattered here and there.	
3	L	≈ scattered about hor.; ≈ here and there visible.	
8	C	Overcast with ≈, moving E; light rain at 1h. 52m. which lasted 7m.	
8	C	Overcast; drizzling rain at 2h. 54m.	
8	C	Overcast; rain ceased at 3h. 9m.	
4	C	≈ scattered about hor., moving NE; ≈ and ≈ scattered about.	
1	R	Pieces of ≈, moving NE.	
3	R	" "	
3	R	≈ around hor.; ≈ & ≈ scattered about; light rain at 7h. 44m. which lasted 12m.	
7	R	≈ scattered throughout, moving E.	
7	R	"	
8	R	Overcast with ≈, moving E. "	
8	R	Overcast; a few stars dimly visible.	
3	B	≈ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's gauge 0.02in.; the height of standard barometer at 9 A. M. was 29.918in. greatest in the month, and about 0.171in. greater than the normal mean.
3	C	" "	
2	C	" "	
2	C	" "	
4	C	" "	
4	R	≈ scattered about, moving ENE; light rain from 5h. 26m. to 5h. 32m.	
7	R	≈ scattered throughout, moving E; ≈ in zth.	
7	R	≈ around hor.; ≈ scattered throughout.	
7	R	≈ scattered throughout, moving NE.	
8	C	Overcast with ≈, former moving E.	
5	C	≈ and ≈ scattered throughout.	
5	C	≈ and ≈ scattered throughout.	
3	C	≈ and ≈ scattered about.	
3	L	"	
3	L	"	
3	L	"	
2	L	"	
2	R	≈ and ≈ around hor.; a few ≈ in S.	
5	R	≈ and ≈ scattered about.	
4	R	≈ scattered about, moving E; ≈ in W hor.	
6	R	≈ and ≈ scattered throughout, moving E.	
2	L	≈ and ≈ scattered about hor.	
1	L	"	
3	L	≈ scattered about hor., moving ESE.	
2	L	≈ scattered about hor., moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 84°9.
3	C	≈ scattered about hor.; a few ≈ in SW.	
3	C	≈ scattered around hor. and about zth., moving SE.	
3	C	≈ scattered about.	
4	C	"	
4	R	≈ around hor.; ≈ scattered about.	
6	R	≈ scattered about, moving E; a few ≈ in zth.	
6	R	≈ scattered about hor.; ≈ about zth.; drizzling rain at 7h. 47m.	
7	R	≈ scattered throughout, moving ENE; a few ≈ in W.	
7	L	≈ scattered throughout, moving E; a few ≈ in NE and E.	
7	L	≈ scattered throughout, moving ENE.	
7	L	≈ scattered throughout, moving NE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawser's Volta 1.	Readings of Strawser's Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 9th—Noon.	29.822	28.964	85°4	78°0	7°4	75°1	0.72	84°2	81°9	W b S	0.2					
1 p.m.	.805	.903	86.2	79.0	7.2	76.7	.77	84.9	82.1	W	0.1					
2 „	.791	.925	87.0	78.6	8.4	75.4	.69	85.1	82.4	„	0·2					
3 „	.773	.884	87.5	79.3	8.2	76.3	.70	85.4	82.5	„	0.3					
4 „	.763	.869	87.0	79.3	7.7	76.4	.72	85.0	82.5	„	0.5		+	2		Above 10m.
5 „	.761	.896	84.7	78.0	6.7	75.4	.75	83.4	82.5	W b N	0.3					
6 „	.770	.926	83.0	77.0	6.0	76.4	.77	82.0	82.5	W	0.1					
7 „	.785	.925	81.5	77.0	4.5	75.2	.82	81.0	82.3	„	0.1					
8 „	.811	.954	81.1	76.8	4.3	75.1	.83	80.7	82.3	„	0.0					
9 „	.819	.949	80.6	77.0	3.6	75.6	.85	80.5	82.2	„	0.0					
10 „	.825	.934	80.2	77.4	2.8	76.3	.88	80.4	82.1	WSW	0.0					
11 „	.812	.933	79.8	77.0	2.8	75.9	.88	80.1	81.9	SW b W	0.0					
Aug. 10th—Midnight	.795	.935	79.4	76.4	3.0	75.2	.88	79.7	81.8	WSW	0.0					
1 a.m.	.790	.943	79.2	76.0	3.2	74.7	.87	79.5	81.8	„	0.0					
2 „	.770	.910	79.0	76.3	2.7	75.2	.89	79.4	81.6	SW b W	0.0					
3 „	.763	.911	78.7	76.0	2.7	74.9	.89	79.0	81.5	„	0.0					
4 „	.767	.915	78.7	76.0	2.7	74.9	.89	79.0	81.4	W b S	0.0					
5 „	.777	.932	78.3	75.7	2.6	74.7	.89	78.7	81.3	WSW	0.0					
6 „	.811	.950	78.3	76.1	2.2	75.2	.91	78.8	81.5	„	0.1					
7 „	.825	.950	79.4	76.8	2.6	75.8	.89	79.6	81.5	SW b W	0.1		+	2		Above 10m.
8 „	.847	.957	81.7	77.8	3.9	76.3	.85	81.2	81.5	SW b S	0.1		+	2		5.00
9 „	.862	.959	83.2	78.5	4.7	76.7	.82	82.4	81.6	SW b W	0.1					
10 „	.859	.968	83.5	78.3	5.2	76.3	.80	82.6	81.8	WSW	0.1					
11 „	.848	.965	85.4	78.6	6.8	76.0	.74	84.3	81.9	W	0.1					
Noon.	.836	.947	86.4	79.0	7.4	76.3	.73	84.7	82.0	WSW	0.1					
1 p.m.	.822	.943	85.4	78.5	6.9	75.9	.74	84.0	82.1	W	0.1	None.				
2 „	.810	.917	86.0	79.0	7.0	76.4	.74	84.4	82.3	„	0.2					
3 „	.803	.956	86.4	78.0	8.4	74.7	.69	85.0	82.3	„	0·2					
4 „	.797	.922	83.8	78.0	5.8	75.7	.78	83.0	82.5	„	0.2		+	6	5	1.53
5 „	.791	.916	83.4	77.9	5.5	73.8	.79	82.7	82.5	„	0.1		+	8	6	Above 10m.
6 „	.796	.941	82.0	77.0	5.0	74.4	.80	81.5	82.5	„	0.1		+	8	6	2.20
7 „	.825	.988	80.8	76.2	4.6	73.4	.82	80.5	82.3	„	0.1		+	2		Above 10m.
8 „	.833	.991	80.4	76.2	4.2	73.5	.83	80.1	82.2	„	0.0		+	8	6	Above 10m.
9 „	.842	.991	80.2	76.4	3.8	74.1	.85	80.2	82.0	„	0.1		+	4		Above 10m.
10 „	.845	29.006	79.8	76.0	3.8	73.9	.84	80.0	81.9	W b S	0.0		+	8	6	1.00
11 „	.831	28.997	79.6	75.8	3.8	73.7	.84	79.8	81.8	WSW	0.0		+	8	6	1·30
Aug. 11th—Midnight	.816	29.013	79.0	74.8	4.2	73.1	.83	79.3	81.7	SW b W	0.1		+	13	11	2.00
1 a.m.	.805	28.956	79.0	76.0	3.0	74.8	.88	79.1	81.5	„	0.2		+	7	5	3.18
2 „	.791	.959	78.8	75.5	3.3	74.2	.86	79.0	81.5	SW	0.1		+	5	4	5.25
3 „	.787	.947	78.4	75.6	2.8	74.5	.88	78.8	81.3	SW b W	0.1		+	3		Above 10m.
4 „	.793	.970	78.2	75.1	3.1	73.8	.87	78.6	81.3	„	0·0		+	5	5	1.22
5 „	.785	.964	78.0	75.0	3.0	73.8	.87	78.2	81.3	„	0.0					
6 „	.801	.978	78.2	75.1	3.1	73.8	.87	78.3	81.4	SW	0·1					
7 „	.825	.974	79.8	76.0	3.8	74.9	.88	79.8	81.4	„	0.1					
8 „	.839	.973	82.9	77.5	5.4	75.4	.79	81.8	81.5	„	0.1					
9 „	.853	.972	84.0	78.2	5.8	76.0	.78	82.8	81.5	„	0.1					
10 „	.854	.986	85.2	78.2	7.0	75.5	.74	83.7	81.7	„	0.2					
11 „	.853	.956	85.6	79.0	6.6	76.5	.75	83.9	81.9	SW b W	0·1					
Noon.	.840	.943	86.4	79.2	7.2	76.6	.73	84.7	82.0	SW	0.2					
1 p.m.	.826	.962	84.8	78.0	6.8	75.4	.74	83.6	82.1	„	0.1					
2 „	.809	.899	85.2	79.2	6.0	77.0	.77	84.0	82.2	WSW	0.1					
3 „	.794	.922	86.0	78.5	7.5	75.6	.72	84.5	82.3	„	0.1	Less than one cent.				
4 „	.785	.912	84.0	78.0	6.0	75.7	.78	83.0	82.3	„	0.1					
5 „	.781	.959	83.2	76.5	6.7	73.8	.74	82.5	82.2	„	0.0		+	1		Above 10m.
6 „	.798	.960	81.5	75.7	5.8	74.4	.77	81.2	82.2	„	0.0					
7 „	.804	.992	80.6	75.5	5.1	73.4	.79	80.3	82.1	„	0·1		+	1		Above 10m.
8 „	.811	.997	80.4	75.5	4.9	73.5	.79	80.2	82.0	„	0.0					
9 „	.812	.982	80.0	75.8	4.2	74.1	.83	80.3	81.9	„	0.0		+	1		Above 10m.
10 „	.812	.987	79.8	75.6	4.2	73.9	.83	80.2	81.9	W b S	0.1					
11 „	.800	.981	79.6	75.4	4.2	73.7	.82	79.7	81.8	WSW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
4	L	≀ scattered about, moving E.	
6	C	≀ around hor.; ≀≀ scattered about.	
4	C	≀ and ≀≀ scattered about, moving ESE; ≀ above E hor.	
2	C	≀ scattered about hor.; ≀ above S hor.	
2	R	≀ scattered about, moving SE; ≀ above SE hor.	
4	C	≀ scattered about, moving SE; ≀ in SE, S, and SW hor.	
3	R	≀ around hor.; ≀≀ and ≀ scattered here and there.	
6	R	≀≀ and ≀ scattered about.	
7	R	"	
6	L	≀, ≀≀, and ≀ scattered throughout, former moving W.	
7	L	≀ scattered throughout, moving E; a few ≀ in S.	
5	L	≀ scattered about, moving E; ≀ in SE and SW.	
7	L	≀, ≀≀, and ≀ scattered throughout, former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 84°9.
8	C	Overcast; a few stars dimly visible about zth.	
7	C	≀ around hor.; ≀ scattered about.	
5	C	≀ and ≀ scattered about, former moving E.	
6	C	" "	
7	R	" "	
7	R	≀ and ≀ scattered throughout, former moving NNE.	
8	R	Overcast with light ≀, moving E.	
8	R	≀ scattered throughout, moving NNE; ≀≀ and ≀ lying about zth.	
7	L	≀ and ≀ scattered throughout, former moving NE, a few patches of ≀≀ about zth.	
7	L	≀ and ≀ scattered throughout, moving NE.	
6	L	≀ around hor., moving E; ≀ scattered throughout.	
5	L	≀ around hor.; ≀ scattered about.	
7	C	" "	
6	C	≀ around hor.; ≀ scattered throughout; a few patches of ≀≀ above SW hor.	
6	C	≀≀ and ≀ scattered throughout; ≀ around hor., moving E.	
6	C	" " "	
7	R	" " "	
7	R	≀, ≀≀, and ≀ scattered throughout, former moving E.	
7	R	" "	
7	R	" "	
8	L	Overcast with ≀ and ≀, former moving E.	
8	L	"	
7	L	≀ and ≀ scattered throughout, former moving E.	
5	L	≀ around hor.; ≀ scattered about; a lunar-halo.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 85°0.
6	C	≀ scattered about, moving ENE; a few ≀≀ above W hor.	
7	C	≀ and ≀≀ scattered throughout, former moving ENE.	
6	C	≀ and ≀≀ scattered throughout, both moving E.	
4	C	" "	
6	R	" "	
6	R	≀, ≀≀, and ≀ scattered throughout, former moving E.	
4	R	≀ and ≀≀ scattered about, former moving NE.	
4	R	Clouded as before, except a few ≀ in S and W.	
4	L	≀ around hor.; ≀≀ in SE; ≀ scattered about.	
4	L	≀ and ≀ scattered about, former moving E.	
4	L	" "	
7	L	≀ and ≀ scattered about, former moving NE.	
8	C	Overcast with ≀ and ≀≀, both moving E; drizzling rain from 1h. 2m. to 1h. 24m.	
7	C	≀≀ and ≀ scattered about, both moving E.	
7	C	" "	
7	C	≀, ≀≀, and ≀ scattered throughout, former moving ENE.	
7	G	≀ and ≀≀ scattered throughout, both moving NE.	
7	G	" "	
7	G	" "	
5	G	≀≀ and ≀ scattered about hor., moving ESE.	
7	L	≀ and ≀ scattered throughout, moving E.	
7	L	Densely clouded with ≀, ≀≀, and ≀.	
5	L	≀ and ≀ scattered about, former moving ESE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in receiving the effects of the tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 12th-Midnight	29.689	28.956	79·4	75·7	3·7	74·2	0.84	79·6	81·7	WSW	0.1					
1 a. m.	.781	.959	79.3	75.4	3·9	73.8	.84	79.5	81.5	SW b W	0·3					
2 „	.757	.947	79.0	75.0	4.0	73.3	.84	79.1	81.4	„	0·2					
3 „	.747	.933	78.6	75.0	3.6	73.5	.85	78.9	81.3	„	0.1					
4 „	.747	.933	78.6	75.0	3.8	73.5	.85	78.9	81.2	„	0·2					
5 „	.748	.931	78.4	75.0	3.4	73.6	.86	78.8	81.3	„	0·1					
6 „	.773	.954	78.2	75.0	3.2	73.7	.87	78.6	81.3	WSW	0.1					
7 „	.784	.927	79.7	76.4	3.3	75.1	.86	79.9	81.2	„	0.1					
8 „	.797	.962	81.0	76.2	4.8	74.3	.81	80.8	81.3	SW	0.1					
9 „	.795	.969	83.2	76.6	6.6	74.0	.75	82.1	81.5	„	0.1					
10 „	.794	.913	85.2	78.5	6.7	76.0	.75	84.0	81.6	„	0.1					
11 „	.787	.909	85.5	78.5	7.0	75.9	.74	84.0	81.8	„	0·1					
Noon.	.777	.888	86.4	79.0	7.4	76.3	.73	84.5	82.0	„	0.2					
1 p. m.	.769	.891	87.4	79.0	8.4	75.9	.69	85.5	82.2	WSW	0.3					
2 „	.754	.897	87.4	78.5	8.9	75.1	.68	86.2	82.3	„	0.4					
3 „	.740	.900	83.4	77.0	6.4	74.5	.75	81.5	82.3	WNW	1·0					
4 „	.734	.920	80.0	75.4	4.6	73.5	.81	79.2	82.1	„	0.5					
5 „	.734	.884	80.3	76.4	3.9	74.8	.84	80.2	82.0	W b S	0·0					
6 „	.743	.907	80.2	76.0	4.2	74.3	.83	80.4	81.9	S	0.0					
7 „	.757	.880	80.0	77.0	3.0	75.8	.88	80.2	81.8	SSW	0.0					
8 „	.763	.927	80.2	76.0	4.2	74.3	.83	80.3	81.6	WSW	0·0					
9 „	.774	.936	80.0	76.0	4.0	74.4	.84	80.0	81.6	W b S	0.0					
10 „	.774	.934	79.8	76.0	3.8	74.5	.85	80.0	81.5	„	0.0					
11 „	.765	.903	80·0	76.6	3.4	75.3	.86	80.0	81.5	W	0.1					
Aug. 15th-Midnight	.726	.851	78.0	76.4	1.6	75.8	.93	78.7	81.3	NW b N	0.0					
1 a. m.	.700	.825	78.0	76.4	1.6	75.8	.93	78.7	81.1	„	0.0					
2 „	.696	.818	78.1	76.5	1.6	75.9	.93	78.8	81.0	„	0.0					
3 „	.696	.837	78.1	76.0	2.1	75.2	.91	78.6	81.0	SSE	0·1					
4 „	.690	.805	78.2	76.7	1.5	76.1	.94	78.9	81.0	WSW	0.0					
5 „	.709	.843	78.2	76.2	2.0	75.4	.92	78.7	81.0	SW	0·0					
6 „	.731	.854	78 2	76.5	1.7	75.8	.93	78.3	81.0	„	0.0					
7 „	.750	.850	79.8	77.5	2.3	76.6	.90	80.0	81.0	„	0.1					
8 „	.776	.881	82.0	78.0	4.0	76.5	.84	81.4	81.1	„	0.1					
9 „	.776	.863	83.4	78.8	4.6	77.1	.82	82.7	81·3	„	0.1					
10 „	.774	.861	84.2	79.0	5.2	77.1	.80	83.1	81.5	„	0.1					
11 „	.769	.848	85.8	79.6	6.2	77.4	.77	84.4	81.6	WSW	0.1					
Noon.	.750	.826	87.0	80.0	7.0	77.5	.74	85.3	81.9	„	0.2					
1 p. m.	.733	.809	87.0	80.0	7.0	77.5	.74	85.1	82.0	W b S	0.1					
2 „	.714	.794	87.4	80.0	7.4	77.3	.73	85.5	82.1	„	0.2					
3 „	.701	.775	87.6	80.2	7.4	77.5	.73	85.7	82.3	„	0.3					
4 „	.692	.770	87.2	80.0	7.2	77.4	.74	85.2	82.4	„	0.2					
5 „	.699	.793	85.0	79.0	6.0	76.8	.77	84.0	82.5	„	0.3					
6 „	.713	.831	83.2	78.0	5.2	76.0	.79	82.3	82.4	W b N	0.2					
7 „	.731	.854	81.8	77.5	4.3	75.8	.83	81.2	82.2	NW b W	0.2					
8 „	.755	.891	81.2	77.0	4.2	75.4	.83	80.8	82.1	W	0·2					
9 „	.765	.877	81.1	77.6	3.5	76.2	.86	80.7	82.1	„	0.0					
10 „	.770	.885	80.8	77.4	3.4	76.1	.86	80.7	82.1	„	0.0					
11 „	.760	.879	80.4	77.2	3.2	76.0	.87	80.5	82.0	„	0.1					
Aug. 16th-Midnight	.755	.876	80.6	77.2	3.4	75.9	.86	80.6	82.0	W	0.1					
1 a. m.	.741	.857	80.1	77.2	2.9	76.1	.88	80.2	82.0	„	0.1					
2 „	.725	.852	79.6	76.8	2.8	75.7	.88	79.9	81.8	„	0·0					
3 „	.713	.848	79.3	76.5	2.8	75.5	.88	79.6	81.6	„	0.0					
4 „	.715	.833	79.2	76.9	2.3	76.0	.90	79.5	81.5	„	0.0					
5 „	.718	.850	79.0	76.5	2.5	75.5	.90	79.5	81.5	„	0.0					
6 „	.730	.850	79.0	76.8	2.2	75.9	.91	79.4	81.5	WSW	0.1					
7 „	.756	.877	79.8	77.0	2.8	75.9	.88	80.0	81.5	W b S	0·1					
8 „	.775	.871	81.2	78.0	3.2	76.8	.87	81.5	81.5	„	0.1					
9 „	.776	.895	81.4	77.5	3.9	76.0	.84	81.5	81.5	WSW	0·1					
10 „	.777	.905	83.0	77.7	5.3	75.6	.79	82.4	81.7	W b S	0.2					
11 „	.765	.852	84.2	79.0	5.2	77.1	.80	83.5	81.8	WSW	0.1					

Less than one cent. | None. | None. | None

Amount of clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
7	L	∿i in S and SW; ∿⌣i scattered throughout, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 84°8.
8	C	Overcast with ∿i, moving ENE.	
8	C	Overcast with ∿i, moving ENE; a few stars dimly visible about zth.	
8	C	" " "	
6	C	∿i scattered throughout, moving ENE.	
8	L	Clouded with ∿⌣i and ∿i, both moving NE; a few drops of rain at 5h. 28m.	
8	L	Overcast; no rain.	
6	L	∿⌣i and ∿i scattered about, both moving NE.	
8	L	" "	
6	C	∿⌣i around hor.; ⌐i and ∿i scattered throughout.	
7	C	Densely clouded with ∿⌣i and ∿i, both moving ENE.	
5	C	" "	
5	C	∿⌣i around hor.; ⌐i and ∿i scattered about.	
4	G	∿i scattered about, moving ENE.	
6	G	∿⌣i and ∿i scattered about, both moving E.	
8	G	" "	
8	G	Overcast with ∿⌣i, moving NE; drizzling rain from 4h. to 4h. 18m.	
8	C	Overcast; no rain.	
8	C	Overcast with ∿⌣i, moving N; breaks in E and W.	
8	C	Overcast with ∿⌣i, moving NE; breaks in W.	
8	C	Overcast with ∿⌣i, moving ENE.	
6	C	∿⌣i around hor.; ∿i scattered throughout, moving ENE.	
8	C	Overcast with ∿⌣i and ∿i, both moving E.	
8	C	" "	
8	L	∿⌣i around hor.; ∿i in E; ⌐i scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 84°8. The temperature of air at 3 P. M. was 87°6 greatest during the month, and about 4°5 greater than the normal mean.
6	C	∿⌣i and ∿i scattered about, moving E.	
8	C	∿⌣i around hor.; ∿i scattered throughout, moving ENE.	
8	C	Overcast with ∿⌣i and ∿i, both moving ENE, a few drops of rain at 3h. 38m.	
8	C	Overcast; no rain.	
8	B	" "	
6	B	∿⌣i and ∿i scattered throughout, moving ENE.	
4	B	∿i scattered about, moving ENE.	
5	B	∿⌣i and ∿i scattered about, former moving E, latter W.	
8	L	Overcast with ∿⌣i, moving E.	
7	L	∿⌣i around hor.; ⌐i and ∿i scattered throughout.	
6	L	" "	
6	L	∿⌣i and ⌐i scattered throughout, former moving E.	
6	C	" "	
4	C	" "	
4	C	∿i and ∿⌣i scattered about, moving ENE.	
3	C	∿⌣i around hor.; ∿i scattered about, moving ENE.	
5	G	∿⌣i and ∿i scattered about, moving E; hazy about hor.	
5	G	" " "	
5	G	∿⌣i scattered about, moving E; lightning in NE hor.	
4	G	∿⌣i around hor.; ⌐i scattered about, moving E.	
6	L	∿⌣i scattered about, moving E.	
4	L	∿⌣i around hor., moving E; ⌐i scattered about.	
4	L	" " "	
7	L	∿⌣i and dense ⌐i scattered about, both moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 84°8. Daily fall of rain by Osler's gauge 0.05in.
6	C	∿⌣i and ∿i scattered about, moving ENE.	
7	C	∿⌣i around hor.; ∿i scattered throughout.	
7	C	" "	
6	C	" "	
7	L	" "	
8	L	Overcast with ∿⌣i and ∿i, both moving E.	
8	L	Overcast with ∿⌣i and ∿i, former moving E.	
8	G	Overcast with ∿⌣i, moving E; light drops of rain between 8h. and 8h. 38m.	
7	G	Densely clouded with ∿⌣i and fleecy clouds, both moving E.	
7	L	∿⌣i scattered throughout, moving E; ⌐i in SW and W.	
7	G	" " "	

Bombay Civil Time, 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 16th-Noon.	29.750	28.816	84°2	79°5	4°7	77°8	0·82	83°0	81°9	SW b W	0.3					
1 p. m.	.729	.810	81.8	78.5	3.3	77.3	.87	81.6	81.7	WNW	0.2	0.03				
2 „	.694	.779	84.0	79.0	5.0	77.2	.81	83.2	82.0	W	0.1					
3 „	.683	.797	83.6	78.2	5.4	76.1	.79	82.9	82.0	W b N	0.2					
4 „	.668	.767	85.3	79.0	6.3	76.7	.76	83.9	82.1	„	0.3					
5 „	.672	.789	83.1	78.0	5.1	76.0	.80	82.3	82.1	WSW	0.1		None.	None.	None.	None.
6 „	.632	.794	81.5	77.7	3.8	76.2	.85	81.0	82.3	WNW	0.1					
7 „	.691	.794	80.7	77.7	3.0	76.5	.88	80.3	82.1	„	0.1					
8 „	.711	.841	80.5	77.0	3.5	75.6	.86	80.2	82.0	W	0·1					
9 „	.716	.843	80.4	77.0	3.4	75.7	.86	80.3	81.9	„	0.0					
10 „	.729	.851	79.2	76.8	2.4	75.9	.90	79.3	81.8	„	0.3					
11 „	.715	.838	80.0	77.0	3.0	75.8	.88	80.2	81.7	„	0.2					
Aug. 17th-Midnight	.715	.838	80.0	77.0	3.0	75.8	.88	80.2	81.7	W b S	0.1					
1 a. m.	.707	.825	79.5	77.0	2.5	76.0	.90	80.0	81.5	„	0.1					
2 „	.681	.785	79.4	77.3	2.1	76.5	.91	79.6	81.3	SW b W	0.0					
3 „	.667	.779	79.0	77.0	2.0	76.2	.92	79.4	81.3	„	0.0					
4 „	.674	.810	78.4	76.2	2.2	75.4	.91	79.0	81.3	SW	0.0					
5 „	.684	.826	78.2	76.0	2.2	75.1	.91	78.7	81.3	W b S	0.0					
6 „	.690	.883	77.9	75.9	2.0	73.2	.92	78.2	81.5	„	0.0					
7 „	.708	.772	79.4	78.3	1.1	77.9	.95	79.5	81.5	E b N	0.2					
8 „	.722	.841	79.6	77.0	2.6	76.0	.89	79.9	81.5	SW	0.1					
9 „	.733	.815	81.4	78.4	3.0	77.3	.88	81.3	81.4	S b W	0.1					
10 „	.723	.795	81.7	78.7	3.0	77.6	.88	81.5	81.5	WSW	0·1		None.	None.	None.	None.
11 „	.715	.841	82.4	77.6	4.8	75.7	.81	82.3	81.5	W b S	0·1					
Noon.	.698	.765	85.0	79.7	5.3	77.8	.80	84.0	81.7	„	0.2					
1 p. m.	.682	.797	86.0	78.8	7.2	76.1	.73	84.6	81·8	WSW	0 2					
2 „	.672	.761	86.7	79.6	7.1	77.0	.74	85.0	82.1	„	0.2					
3 „	.649	.760	86.4	79.0	7.4	76.3	.73	84.9	82.2	„	0.2					
4 „	.649	.780	84.4	78.0	6.4	75.5	.76	83.4	82.2	„	0.1					
5 „	.647	.766	83.3	78.0	5.3	76.0	.79	82.8	82.4	„	0.1					
6 „	.656	.791	81.8	77.2	4.6	75.4	.82	81.3	82.3	„	0.1					
7 „	.671	.801	80.6	77.0	3.6	75.7	.85	80.5	82.2	W b S	0·1					
8 „	.677	.832	80.1	76.2	3.9	74.7	.84	80.1	82.1	WSW	0.1					
9 „	.681	.810	79.8	76.8	3.0	75.6	.88	80.0	81.9	„	0.0					
10 „	.685	.808	80.0	77.0	3.0	75.8	.88	80.2	81.9	„	0.1					
11 „	.679	.790	80.0	77.3	2.7	76.4	.89	80.3	81.8	W b S	0·1					
Aug. 18th-Midnight	.669	.790	79.8	77.0	2.8	75.9	.88	80.2	81.8	W b S	0.1					
1 a. m.	.655	.774	79.6	77.0	2.6	76.0	.89	80.0	81.6	WSW	0.1					
2 „	.639	.748	79.8	77.3	2.5	76.3	.90	80.0	81.5	„	0.0					
3 „	.635	.756	79.8	77.0	2.8	75.9	.88	80.0	81.5	W	0·1					
4 „	.633	.754	79.8	77.0	2.8	75.9	.88	80.0	81.5	WSW	0.2					
5 „	.640	.760	79.7	77.0	2.7	75.9	.89	79.8	81.5	SW b W	0.1					
6 „	.650	.761	78.9	77.0	1.9	76.3	.92	79.1	81.6	W b S	0.1					
7 „	.666	.788	79.9	77.0	2.9	75.9	.88	79.9	81.5	W&W	0.2					
8 „	.679	.789	80.7	77.5	3.2	76.3	.87	80·7	81.5	SW	0.1					
9 „	.688	.758	83.4	79.2	4.2	77.7	.84	82.9	81.6	„	0.2					
10 „	.702	.805	85.6	79.0	6.6	76.5	.75	84.1	81.9	WSW	0.4					
11 „	.688	.746	85.4	80.0	5.4	78.1	.79	84.1	81.9	„	0.2		None.	None.	None.	None.
Noon.	.677	.765	86.6	79.6	7.0	77.1	.74	85.0	82.1	„	0.1					
1 p. m.	.657	.733	87.0	80.0	7.0	77.5	.74	85.4	82.3	„	0.2					
2 „	.648	.700	86.9	80.5	6.4	78.3	.76	85.7	82.3	„	0.3					
3 „	.636	.729	84.7	79.0	5.7	76.9	.78	81.7	82.5	„	0 to 1⅓	0.02				
4 „	.630	.773	79.6	76.6	3.0	75.1	.88	80·0	82.3	WNW	0.2	0.09				
5 „	.646	.702	81.4	79.0	2.4	78.1	.90	81.3	82.3	WSW	0.1					
6 „	.654	.712	81.2	78.9	2.3	78.1	.91	81.0	82.4	SW b W	0.1					
7 „	.671	.771	80.6	77.6	3.0	76.6	.88	80.6	82.3	W	0.1					
8 „	.681	.788	80.4	77.5	2.9	76.4	.88	80.3	82.3	„	0.1					
9 „	.685	.802	80.2	77.2	3.0	76.0	.88	80.2	82.0	„	0.1					
10 „	.694	.839	79.2	76.2	3.0	75.0	.88	79.4	81.9	SW b W	0.4					
11 „	.692	.825	76.6	75.8	0.8	75.5	.97	77.8	81.6	W	0.1	0.07				

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	G	Overcast with ⌒i, moving E; light rain at 12h. 2m. which ceased at 12h. 34m.	
8	C	Overcast; no rain.	
8	C	Overcast with ⌒i; a few patches of ⌒i in S hem.	
8	C	Overcast with ⌒i, moving E.	
6	C	⌒i and ⌒i scattered throughout, both moving E; a few drops of rain between 4h. 42m. and 4h. 44m.	
8	C	Overcast with ⌒i, moving E; drizzling rain from 5h. 20m. to 5h. 30m.	
8	R	Overcast with ⌒i, moving NE; no rain.	
7	R	Densely clouded with ⌒i and ⌒i, former moving E.	
6	R	Clouded as before.	
7	L	⌒i and dense ⌒i scattered throughout, former moving E; light rain from 9h. 28m. to 9h. 33m	
8	L	Overcast with ⌒i, moving E.	
8	L	" "	
8	L	Overcast with ⌒i, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 84°5.
8	C	" "	
8	C	" "	
7	C	⌒i around hor., moving ENE; ⌒i and ⌒i scattered throughout; a lunar-halo.	
7	C	" " " "	
7	R	⌒i around hor.; ⌒i above N hor.; ⌒i scattered throughout; a partial lunar-halo.	
7	R	⌒i scattered throughout, moving E; ⌒i in N.	
7	R	Densely clouded with ⌒i, moving E.	
7	R	" "	
8	L	Overcast with ⌒i, moving NE; light drops of rain from 9h. 12m. to 9h. 16m.	
8	L	Overcast; no rain.	
8	L	Overcast with ⌒i and ⌒i, former moving NE.	
8	L	" "	
8	C	" "	
6	C	Nearly overcast with ⌒i and ⌒i, former moving NE.	
6	C	⌒i and ⌒i scattered throughout, former moving NE.	
7	C	⌒i around hor.; ⌒i scattered throughout, moving NE.	
7	R	⌒i and ⌒i scattered throughout, both moving NE.	
7	R	⌒i scattered throughout, moving NE; ⌒i in W and about zth.	
6	R	⌒i scattered about, moving NE; ⌒i in W and SW.	
3	R	⌒i around hor.; ⌒i about zth.; drops of rain between 8h. 42m. and 8h. 44m.	
7	L	Densely clouded with ⌒i, moving E.	
8	L	" "	
8	L	Overcast with ⌒i and ⌒i, former moving E; a lunar-halo.	
8	L	Overcast with ⌒i and ⌒i, both moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's gauge 0.20in.
8	C	Overcast with ⌒i and dense ⌒i, both moving ENE.	
8	C	Overcast with ⌒i and ⌒i, former moving NE.	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
7	R	⌒i and dense ⌒i scattered throughout, former moving NE.	
7	R	Clouded as before.	
8	L	Overcast with ⌒i and dense ⌒i, former moving NE.	
8	L	Overcast; drizzling rain between 10h. 9m. and 10h. 16m.	
6	L	⌒i and dense ⌒i scattered about, former moving NE.	
6	L	" "	
8	C	Overcast clouded with ⌒i and ⌒i, both moving NE.	
7	C	Densely clouded with ⌒i and ⌒i; light rain commenced at 2h. 57m.; a solar-halo.	
8	C	Overcast with ⌒i, moving E; rain ceased at 3h. 38m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ⌒i and ⌒i, moving E; breaks in W hor.	
8	R	Densely clouded with ⌒i.	
4	R	⌒i scattered about, moving E; ⌒i in N and S.	
7	L	⌒i and ⌒i scattered throughout, former moving E.	
8	L	Overcast; rain between 10h. 22m. to 10h. 48m.	
8	L	Overcast; no rain.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 19th-Midnight	29.682	28.781	77°8	77°0	0°8	76°7	0.97	78°6	81°6	WSW	0.1					
1 a. m.	.670	.773	78.2	77.0	1.2	76.5	.95	78.7	81.4	SW b W	0.2					
2 „	.658	.755	78.4	77.2	1.2	76.7	.95	79.0	81.3	„	0.1					
3 „	.654	.756	78.8	77.2	1.6	76.6	.93	79.1	81.2	„	0.2					
4 „	.650	.790	78.0	76.0	2.0	75.2	.92	78.5	81.2	„	0.1					
5 „	.664	.778	78.4	76.8	1.6	76.1	.93	78.8	81.4	„	0.1					
6 „	.670	.778	78.6	77.0	1.6	76.4	.93	78.9	81.4	„	0.1					
7 „	.686	.766	79.7	78.0	1.7	77.3	.93	79.8	81.4	SW	0.1					
8 „	.705	.798	80.9	78.0	2.9	76.9	.88	80.8	81.5	„	0.1					
9 „	.714	.811	82.8	78.4	4.4	76.7	.83	82.1	81.5	„	0.1					
10 „	.709	.782	84.4	79.4	5.0	77.6	.81	83.5	81.6	„	0.1					
11 „	.704	.747	85.6	80.4	5.2	78.6	.80	84.0	81.8	SW b S	0.1	None.	None.	None.	None.	None.
Noon.	.695	.721	85.6	80.8	4.8	79.1	.82	84.5	82.0	SSW	0.2					
1 p. m.	.680	.727	86.0	80.4	5.6	78.4	.79	84.9	82.1	WSW	0.2					
2 „	.668	.711	87.2	80.8	6.4	78.6	.76	85.2	82.3	W b S	0 2					
3 „	.656	.702	87.4	80.8	6.6	78.5	.76	85.7	82.4	„	0.3					
4 „	.649	.709	85.5	80.0	5.5	78.0	.79	84.2	82.2	„	0·2					
5 „	.654	.750	85.0	79.0	6.0	76.8	.77	83.9	82.6	„	0.1					
6 „	.658	.758	82.7	78.3	4.4	76.6	.83	82.0	82.6	„	0·1					
7 „	.689	.774	81.3	78.3	3.0	77.2	.88	81.0	82.5	WSW	0·2					
8 „	.702	.758	81.1	79.0	2.1	78.2	.91	80.9	82.3	„	0.1					
9 „	.708	.760	81.0	79.0	2.0	78.3	.92	80.9	82.2	„	0.1					
10 „	.723	.827	80.4	77.6	2.8	76.5	.88	80.6	82.1	„	0·2					
11 „	.723	.837	80.3	77.3	3.0	76.1	.88	80.5	82.1	SW b W	0.1					
Aug. 20th-Midnight	.712	.814	80.2	77.6	2.6	76.6	.89	80.4	82.0	SW b W	0.1		+	1		Above 10m.
1 a. m.	.704	.815	80.0	77.3	2.7	76.3	.89	80.2	81.8	„	0.3		+	1		Above 10m.
2 „	.695	.815	79.7	77.0	2.7	75.9	.89	80.0	81.7	„	0.1		+	1		Above 10m.
3 „	.689	.800	79.6	77.2	2.4	76.3	.90	79.8	81.6	„	0·1					
4 „	.693	.807	79.2	77.0	2.2	76.1	.91	79.5	81.6	„	0.1					
5 „	.698	.804	79.2	77.2	2.0	76.4	.92	79.5	81.7	„	0.1					
6 „	.709	.793	79.3	77.8	1.5	77.2	.94	79.4	81.7	„	0.1					
7 „	.731	.788	80.3	78.7	1.6	78.1	.93	80.3	81.7	WSW	0.1					
8 „	.745	.836	82.2	78.4	3.8	76.9	.85	81.8	81.8	W b S	0.1					
9 „	.751	.815	82.8	79.2	3.6	77.9	.86	81.9	81.9	WSW	0.1					
10 „	.750	.793	84.0	80.0	4.0	78.5	.84	83.4	82.0	W	0.3					
11 „	.746	.768	86.0	81.0	5.0	79.3	.81	84.8	82.1	WNW	0.2		+	1	None.	Above 10m.
Noon.	.728	.776	86.0	80.4	5.6	78.4	.79	84.8	82.3	„	0.4					
1 p. m.	.719	.761	86.6	80.7	5.9	78.6	.78	85.3	82.2	NW	0.6					
2 „	.695	.798	85.6	79.0	6.6	76.5	.75	84.3	82.3	WNW	0.5					
3 „	.667	.735	86.3	80.0	6.3	77.7	.76	85.0	82.6	NW b W	0.4					
4 „	.662	.749	84.2	79.0	5.2	77.1	.80	83.0	82.6	„	0.4					
5 „	.660	.740	83.5	79.0	4.5	77.3	.82	83.0	82.6	WNW	0.4					
6 „	.669	.781	82.6	78.0	4.6	76.2	.82	81.9	82.6	NW b W	0.6					
7 „	.685	.776	81.5	78.2	3.3	76.9	.87	81.0	82.5	WNW	0.3					
8 „	.716	.831	81.1	78.5	2.6	76.1	.85	80.8	82.4	NW b W	0.3					
9 „	.722	.854	80.8	77.0	3.8	75.5	.85	80·6	82.4	WNW	0.4					
10 „	.733	.825	80.8	78.0	2.8	76.9	.89	80.7	82.3	„	0.2					
11 „	.727	.829	80.6	77.7	2.9	76.6	.88	80.2	82.4	„	0·4					
Aug. 22nd-Midnight	.710	.795	79.4	77.8	1.6	77.2	.93	79.6	81.4	NW b W	0.5					
1 a. m.	.703	.781	78.8	77.8	1.0	77.4	.96	78.9	81.3	„	0.6					
2 „	.689	.757	78.6	78.0	0.6	77.7	.97	78.7	81.1	NW	0 to 1½	0.01				
3 „	.682	.748	78.0	77.7	0.3	77.8	.99	78.2	81.0	„	0.4					
4 „	.684	.783	77.8	77.0	0.8	76.7	.96	78.0	81.0	„	1.2	0.01				
5 „	.693	.792	77.8	77.0	0.8	76.7	.96	78.0	81.1	NNW	0.4					
6 „	.706	.781	78.9	77.9	1.0	77.5	.96	79.2	81.2	NW	0.2		None.	None.	None.	None.
7 „	.727	.856	77.7	76.2	1.5	75.6	.94	78.0	81.2	„	0·2	0.01				
8 „	.748	.822	79.2	78.0	1.2	77.5	.95	79.7	81.2	NW b W	0.3					
9 „	.759	.837	78.4	77.7	0.7	77.4	.97	77.6	81.0	N	0.2					
10 „	.761	.862	78.0	77.0	1.0	76.6	.96	78.2	80.9	NE b E	0.1	0·24				
11 „	.748	.770	79.8	79.4	0.4	79.3	.98	79.9	81.0	NE	0.1					

Less than one cent.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Cu-s cumulo-strati; and Cn nimbi.	
8	L	Overcast with Cn and Cc, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4.
8	C	Overcast.	
8	C	"	
8	C	"	
8	C	Densely clouded with Cc and Cn, moving ENE; a few stars dimly visible in N.	
6	R	Cc in N; Cn scattered here and there, moving ENE.	
7	R	Cn scattered throughout, moving ENE.	
7	R	" "	
7	R	Densely clouded with Cn and Cc, moving E.	
7	L	Cn and Cc scattered throughout, former moving NE.	
7	L	Densely clouded with Cn, Cc, and Ci.	
5	L	Cn scattered around hor., moving NE; Cc and Ci scattered about.	
5	L	" " "	
6	C	Cn and Ci scattered throughout, former moving ENE. "	
6	C	Clouded as at 1 P. M.	
7	C	"	
7	C	"	
7	R	"	
7	R	Densely clouded with Cn and dense Ci, moving E.	
7	R	" " "	
6	R	Cn and dense Ci scattered about, former moving ENE.	
6	L	Clouded as before but the motion of Cn was eastward.	
6	L	" " "	
8	L	Overcast with Cn and dense Ci, former moving E.	
8	L	Overcast.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4.
8	C	Overcast; a few stars dimly visible.	
7	C	Densely clouded with Cn, Cc, and Ci, former moving ENE.	
7	C	" " "	
6	C	Cn around hor., moving ENE; Ci and Cc scattered throughout.	
6	R	Ci above E hor.; Cn scattered about, moving NE.	
7	R	Densely clouded with Cn, moving NE.	
7	R	Densely clouded with Cn and Cc, both moving ENE; a few drops of rain at 7h. 5m.	
7	R	Cn and Ci scattered throughout, moving NE; a few drops of rain at 8h. 56m.	
8	L	Overcast with Cn, Cc, and Ci, former moving E; a few drops of rain at 9h. 34m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
7	C	Cn around hor., moving E; Ci scattered throughout.	
6	C	" " "	
7	C	Densely clouded with Cn and Ci, former moving SE.	
8	C	Overcast with Cn and Ci, former moving SE; drizzling rain between 4h. 5m. and 4h. 8m.	
7	R	Densely clouded with Cn, moving SE.	
8	R	" "	
8	R	Overcast; lightning in SE hor.	
2	R	Masses of Cn scattered here and there, moving SE; lightning in SE hor.	
1	R	Cn scattered about hor., moving SE; lightning in E hor.	
3	R	Cn scattered about, moving SE; lightning in E hor.	
3	R	" " "	
8	L	Overcast with Cn, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's gauge 0.27in.
8	C	Overcast; light rain at 1h. 49m. which lasted 10m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain at 3h. 34m. which lasted 13m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	Overcast; light rain from 6h. 22m. to 6h. 51m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with Cn, moving SE; rain commenced at 8h. 58m.	
8	L	Overcast; rain ceased at 9h. 22m.	
8	L	Overcast; no rain.	
8	L	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 22nd-Noon.	29.728	28.732	82°0	80°4	1°6	79°8	0.93	82°1	81°2	NE	0.2					
1 p. m.	.694	.698	84.4	81.0	3.4	79.7	.87	83.6	81.5	NW	0.2					
2 „	.668	.668	84.0	81.0	3.0	80.0	.88	83.5	81.5	„	0.3					
3 „	.649	.662	83.6	80.6	3.0	79.5	.88	83.1	81.6	„	0.5					
4 „	.636	.666	82.8	80.0	2.8	79.0	.89	82.3	81.7	„	½ to 1					
5 „	.642	.700	81.5	79.0	2.5	78.1	.90	81.0	81.7	„	½ to 1					
6 „	.667	.724	81.1	78.9	2.2	78.1	.91	80.9	81.8	„	½ to 1	None.	+	1	None.	Above 10m.
7 „	.688	.809	79.4	76.9	2.5	75.9	.90	79.1	81.5	NNW	½ to 1			2		
8 „	.704	.760	80.2	78.7	1.5	78.1	.94	80.1	81.5	NW	0.5					
9 „	.710	.820	80.4	77.4	3.0	76.3	.88	80.6	81.6	„	0.8					
10 „	.718	.827	80.6	77.5	3.1	76.3	.87	80.6	81.5	„	0.8					
11 „	.712	.791	80.4	78.2	2.2	77.4	.91	80.4	81.4	NW b W	0.6		+			0.50
Aug. 23rd-Midnight	.698	.804	79.2	77.2	2.0	76.4	.92	78.7	81.4	NW	0 to 1½		+	1		Above 10m.
1 a. m.	.684	.806	77.8	76.4	1.4	75.9	.95	77.4	81.1	NNW	¼ to 1					
2 „	.673	.728	78.2	78.2	0.0	78.2	1.00	78.7	81.0	NW b W	0.7	0.06				
3 „	.660	.749	78.4	77.4	1.0	77.0	0.96	78.5	81.0	WNW	1 Steady.					
4 „	.664	.742	77.8	77.5	0.3	77.4	.99	78.0	80.9	NW	0.7	0.01				
5 „	.676	.739	79.3	78.3	1.0	77.9	.96	79.4	81.2	„	0.6	0.01				
6 „	.687	.724	79.6	79.0	0.6	78.8	.98	79.6	81.4	„	0.3					
7 „	.716	.789	78.7	77.9	0.8	77.6	.97	78.0	81.3	N	½ to 1	0.01				
8 „	.734	.808	78.8	77.9	0.9	77.5	.96	78.9	81.1	NW	0.3					
9 „	.743	.830	79.6	77.8	1.8	77.1	.93	79.5	81.0	„	0.5					
10 „	.741	.818	78.0	77.6	0.4	77.4	.98	78.0	81.0	NW b N	0.3					
11 „	.734	.747	79.8	79.6	0.2	79.5	.99	80.0	81.0	NW	0.2					
Noon.	.707	.764	78.4	78.2	0.2	78.1	.99	77.6	81.0	N	0.5	0.02			None.	
1 p. m.	.685	.770	77.3	77.2	0.1	77.2	1.00	76.9	80.9	„	0.3	0.35	+	1		Above 10m.
2 „	.667	.787	77.6	76.4	1.2	75.9	0.95	77.1	80.8	„	0.1	0.08	+	3		1.00
3 „	.651	.767	77.2	76.4	0.8	76.1	.97	77.0	80.7	„	0.1	0.34	+	2		0·27
4 „	.633	.742	77.7	76.7	1.0	76.3	.96	77.5	80.7	NNW	0.2	0·05				
5 „	.644	.744	79.4	77.4	2.0	76.6	.92	79.7	81.0	NW	0.8	0.01				
6 „	.662	.745	79.6	77.9	1.7	77.2	.93	79.7	81.0	WNW	0.4					
7 „	.684	.798	79.2	77.0	2.2	76.1	.91	79.0	81.0	NW	0.5	0·02				
8 „	.698	.801	79.0	77.0	2.0	76.5	.92	79.0	80.9	„	0.3	0.01				
9 „	.708	.811	79.0	77.0	2.0	76.5	.92	79.1	80.8	WNW	0.3	0.01				
10 „	.714	.832	78.5	76.7	1.8	76.0	.92	78.7	80.8	W b N	¼ to 1					
11 „	.698	.832	78.2	76.2	2.0	75.5	.92	78.3	80.7	WNW	¼ to 1					
Aug. 24th-Midnight	.692	.828	77.6	76.0	1.6	75.4	.93	77.7	80.6	WNW	0.4	0.10				
1 a. m.	.680	.784	78.3	77.0	1.3	76.5	.94	78.5	80.4	„	0.5	0.01				
2 „	.669	.778	77.7	76.7	1.0	76.3	.96	78.0	80.3	„	0 to 1	0.03				
3 „	.665	.837	75.3	74.4	0.9	74.0	.96	75.5	80.3	„	¼ to 3	0.30				
4 „	.678	.828	75.4	75.0	0.4	74.8	.98	75.1	80.1	NW b N	0 to 1½	0.26				
5 „	.686	.800	77.0	76.4	0.6	76.1	.97	77.4	80.2	NNW	0.2	0·10				
6 „	.702	.853	74.8	74.8	0.0	74.8	1.00	74.9	80.4	N b W	0 to 1¼	0.52				
7 „	.734	.883	75.3	75.0	0.3	74.9	0.99	75.8	80.0	NNW	0·3	0.21				
8 „	.747	.838	77.1	77.0	0.1	76.9	1.00	77.2	80.1	NW b W	0.1	0.01				
9 „	.749	.874	77.4	76.2	1.2	75.8	0.95	77.3	80.1	WNW	0.1	0.10				
10 „	.756	.893	77.0	75.8	1.2	75.3	.95	77.4	80.1	NNW	0 to 1	0.01				
11 „	.745	.878	78.1	76.2	1.9	75.5	.92	77.3	80.2	„	0.1	0.17				
Noon.	.738	.898	75.6	74.8	0.8	74.5	.97	75.5	80.0	WNW	¼ to 1½	0.27				
1 p. m.	.712	.841	76.0	75.7	0.3	75.6	.99	76.6	80.0	NW	½ to 2½	0.16				
2 „	.694	.858	76.0	74.8	1.2	74.3	.95	75.6	80.0	NNW	0 to 1	0.12				
3 „	.672	.762	77.0	77.0	0.0	77.0	1.00	77.3	79.8	„	½ to 1½	0.05				
4 „	.670	.817	75.8	75.2	0.6	75.0	0.97	75.6	79.7	„	0.3	0.30				
5 „	.678	.847	75.7	74.6	1.1	74.1	.95	75.4	79.9	WNW	0.2	0.14	+	2		Above 10m.
6 „	.693	.871	76.2	74.5	1.7	73.8	.93	76.0	79.8	NW b N	½ to 2	0.00	+	1		Above 10m.
7 „	.708	.850	75.4	75.2	0.2	75.1	.99	75.0	79.6	„	½ to 1½	0.33	+	6	4	3.10
8 „	.724	.817	77.3	77.0	0.3	76.9	.99	77.3	79.7	NW	½ to 1	0.19	+	1		Above 10m.
9 „	.728	.835	77.8	76.8	1.0	76.4	.96	77.9	79.7	WNW	1.0	0.05				
10 „	.732	.839	77.8	76.8	1.0	76.4	.96	78.1	79.7	„	0.2	0.01				
11 „	.722	.862	78.0	76.0	2.0	75.2	.92	78.3	79.7	„	0·6	0.00				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	L	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
7	R	Densely clouded with ⌒i, moving SE.	
7	R	Densely clouded; a few drops of rain at 6h. 45m.	
8	R	Overcast with ⌒i, moving E.	
8	R	Overcast; a few drops of rain at 8h. 19m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
8	L	Overcast with ⌒i, moving SE; light rain at 0h. 2m. which lasted 10m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's gauge 1.88in.
8	C	Overcast; rain commenced at 1h. 7m. which ceased at 1h. 48m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain commenced at 3h. 39m.	
8	C	Overcast; rain ceased at 4h. 50m.	
8	R	Overcast; no rain.	
8	R	Overcast; a passing shower of rain at 6h. 58m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with ⌒i, moving SE.	
8	L	Overcast; drops of rain now and then.	
8	L	Overcast; passing shower of rain at 10h. 18m.	
8	L	Overcast; light rain at 11h. 22m. which ceased at 11h. 26m. but re-commenced at 11h. 55m.	
8	L	Overcast with ⌒i, moving S; raining lightly.	
8	C	Overcast; rain ceased at 1h. 39m. but re-commenced at 1h. 59m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast with ⌒i, moving SE; raining lightly till 4h. 30m.	
8	R	Overcast; very lightly raining.	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 8h. 40m.	
8	L	Overcast; a few drops of rain at 9h. 40m.	
8	L	Overcast; no rain.	
8	L	Overcast; rain commenced at 11h. 29m.	
8	L	Overcast with ⌒i, moving E; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°3. Daily fall of rain by Osler's gauge 3.62in.; at 3 A. M. the temperature of evaporation was 74°4 lowest during the month, and about 2°0 lower than the normal mean; at 6 A. M. the reading of air thermometer was smallest during the month.
8	C	Overcast; rain ceased at 1h. 53m.	
8	C	Overcast; rain commenced at 2h. 10m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	R	Overcast; rain ceased at 5h. 10m. but re-commenced at 5h. 34m. which lasted 10m.	
8	R	Overcast; raining.	
8	R	" "	
8	R	" "	
8	L	Overcast with ⌒i, moving SE; rain ceased at 9h. 24m.	
8	L	Overcast; rain commenced at 10h. 42m.	
8	L	Overcast; raining.	
8	L	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ⌒i, moving SSE; raining.	
8	R	Overcast; raining.	
8	R	" "	
8	R	" "	
8	R	Overcast; rain ceased at 8h. 4m. but re-commenced at 8h. 24m.	
8	L	Overcast with ⌒i, moving E; rain ceased at 9h. 12m.	
8	L	Overcast; no rain.	
8	L	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug.25th-Midnight	29.701	28.815	78°4	76°8	1°6	76°1	0.93	78°5	79°8	W b N	0.1					
1 a. m.	.695	.821	78.5	76.5	2.0	75.7	.92	78.5	79.8	„	0·6					
2 „	.677	.794	78.7	76.8	1.9	76.0	.92	78.7	80.0	„	0·8					
3 „	.677	.791	78.8	76.9	1.9	76.1	.92	78.6	80.0	WNW	0.8					
4 „	.681	.790	78.7	77.0	1.7	76.3	.93	78.5	80.0	„	0.2					
5 „	.681	.802	78.0	76.5	1.5	75.9	.94	78.0	79.8	„	¼ to 1	0·06				
6 „	.700	.820	77.6	76.4	1.2	75.9	.95	77.4	79.8	NW b N	0.3	0·08				
7 „	.716	.817	77.0	76.7	0.3	76.6	.99	77.0	79.8	NNW	0.5	0.32				
8 „	.722	.847	76.6	76.0	0.6	75.8	.97	76.3	79.8	„	⅛ to 1½	0.10				
9 „	.729	.819	77.7	77.2	0.5	77.0	.98	77.6	79.8	NW	1·0	0.09				
10 „	.734	.837	76.8	76.6	0.2	76.5	.99	76.5	79.7	NNW	0.4	0.23				
11 „	.734	.837	76.8	76.6	0.2	76.5	.99	76.3	79.7	NW	0.8	0.53				
Noon.	.704	.812	77.2	76.6	0.6	76.4	.96	77.0	79.7	NNW	1.0	0.13				
1 p. m.	.690	.807	77.3	76.4	0.9	76.0	.96	77.0	79.7	„	0·7					
2 „	.672	.797	76.6	76.0	0.6	75.8	.97	76.3	79.6	NW b N	⅛ to 2	0·06	+	1		Above 10m.
3 „	.657	.772	76.4	76.2	0.2	76.1	.99	76.5	79.5	WNW	¼ to 1	0·24	+	2		Above 10m.
4 „	.645	.765	76.8	76.2	0.6	75.9	.97	76.9	79.5	„	0·6	0.05				
5 „	.648	.745	77.3	76.9	0.4	76.7	.98	77.4	79.6	„	0·3					
6 „	.654	.776	77.6	76.2	1.4	75.9	.94	77.9	79.6	„	0·2					
7 „	.665	.767	78.1	77.0	1.1	76.6	.95	78.0	79.6	NW	0·2					
8 „	.678	.779	78.0	77.0	1.0	76.6	.96	77.9	79.7	WNW	0·1					
9 „	.683	.823	76·6	75.6	1.0	75.2	.96	76.7	79.7	„	1·0	0.05				
10 „	.685	.797	77.6	76.6	1.0	76.2	.96	77.6	79.7	NW b N	1.0	0.01				
11 „	.682	.828	76.0	75.3	0.7	75.0	.97	76.0	79.5	„	½ to 1½	0.14				
Aug.26th-Midnight	.662	.776	77.0	76.4	0·6	76.1	.97	77.4	79.5	NW b W	0.2					
1 a. m.	.648	.738	77.0	77.0	0.0	77.0	1.00	77.2	79.3	„	0.3	0·14				
2 „	.641	.778	75.6	75.4	0.2	75.3	0.99	76.0	79.2	„	0.7	0.39				
3 „	.633	.744	75.4	76.0	0.6	76.3	1.00	75.5	79.2	„	0.7	0.42				
4 „	.623	.741	76.0	76.0	0.0	76.0	.00	76.1	79.4	„	0.3	0.20				
5 „	.621	.743	76.4	76.0	0.4	75.9	0.98	76.3	79.4	WNW	0.5	0.08				
6 „	.635	.777	75.7	75.3	0.4	75·1	.98	75.7	79.5	„	¼ to 1	0·08				
7 „	.658	.807	75.3	75.0	0.3	74.9	.99	75.1	79.3	„	¼ to 1½	0.30				
8 „	.673	.788	75.7	76.0	0.3	76.1	1.00	76.0	79.2	„	0.2	0·15				
9 „	.684	.798	76.4	76.2	0.2	76.1	0.99	76·6	79.3	„	0.3	0.25				
10 „	.684	.796	76.2	76.2	0·0	76.2	1.00	76.3	79.2	„	0·5	0.24				
11 „	.672	.768	77.5	77.0	0.5	76.8	0.98	77.6	79.2	„	0·2	0.05				
Noon.	.651	.783	78.0	76.2	1.8	75.5	.92	78.0	79.4	W b N	¼ to 1½	0·01	None.	None.	None.	None.
1 p. m.	.631	.723	77.2	77.0	0.2	76.9	.99	77.6	79.4	W	0.5	0.06				
2 „	.614	.718	78.2	77.0	1.2	76.5	.95	78.4	79.5	„	0·3					
3 „	.592	.700	78.6	77.0	1.6	76.4	.93	78.8	79.5	„	0.6					
4 „	.584	.671	78.6	77.5	1.1	77.1	.95	78.8	79.5	„	0.3					
5 „	.591	.699	78.3	76.9	1.4	76.4	.94	78.4	79.6	„	0.2					
6 „	.608	.709	78.0	77.0	1.0	76.6	.96	77.9	79.6	WSW	0·1					
7 „	.626	.751	77.7	76.3	1.4	75.8	.94	77.8	79.6	W	0·5	0.01				
8 „	.642	.745	77.8	76.9	0.9	76.5	.96	77.9	79.6	WSW	0·2					
9 „	.659	.753	77.4	77.0	0.4	76.8	.98	77.7	79.6	„	0·2	0.02				
10 „	.664	.758	77.4	77.0	0.4	76.8	.98	77.6	79.6	W b S	0.2	0.21				
11 „	.657	.756	77.8	77.0	0.8	76.9	.97	77.9	79.6	W	0·2	0.01				
Aug.27th-Midnight	.651	.738	77.8	77.3	0.5	77.1	.98	78.0	79.6	W	0.2		+	1		Above 10m.
1 a. m.	.634	.758	76.9	76.1	0.8	75.8	.96	77.1	79.4	„	0.2					
2 „	.620	.746	76.7	76.0	0.7	75.7	.97	77.1	79.4	„	0.0					
3 „	.616	.719	76.8	76.6	0.2	76.5	.99	77.0	79.6	„	0.0	0.30				
4 „	.621	.752	75.8	75.6	0.2	75.5	.99	76.1	79.5	„	0.0	0.20				
5 „	.620	.763	76.5	75.5	1.0	75.1	.96	76.5	79.4	„	0.7	0.02				
6 „	.636	.741	76.4	76.4	0.0	76.5	1.00	76.8	79.3	WNW	0.2	0.05			None.	
7 „	.661	.766	76.4	76.4	0.0	76.5	.00	76.7	79.3	WSW	0.2	0.01				
8 „	.682	.752	80.1	77.7	0.3	77.7	0.99	78.1	79.4	WNW	0·3					
9 „	.695	.737	78.9	79.0	1.1	78.6	.95	79.3	79.6	W b N	0·1					
10 „	.699	.758	78.9	78.3	0.6	78.0	.98	78.9	79.6	W	0.1	0.08				
11 „	.699	.769	78.8	78.0	0.8	77.7	.97	78.9	79.6	„	0.2	0·15				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ∿ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
7	L	∿∿ scattered except in SE, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°3. Daily fall of rain by Osler's gauge 2.16in.
7	R	Clouded as at midnight.	
7	R	"	
6	R	∿∿ scattered throughout; drizzling rain at 3h. 40m. which ceased at 3h. 57m.	
8	R	Overcast; rain at 4h. 30m. which ceased at 4h. 40m.	
8	C	Overcast; light rain at 5h. 35m. which ceased at 5h. 49m.	
8	C	Overcast; heavy rain commenced at 6h. 11m.	
8	C	Overcast with ∿∿, moving SE; raining.	
8	C	Overcast; rain ceased at 8h. 13m. but re-commenced at 8h. 30m. which lasted 9m.	
8	L	Overcast; rain commenced at 9h. 22m.	
8	L	Overcast; rain continued.	
8	L	Overcast; rain ceased at 11h. 37m.	
8	L	Overcast; light rain at 12h. 20m. which lasted 3m.	
8	C	Overcast; light rain commenced at 1h. 2m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 4h. 40m.	
8	R	Overcast with ∿∿, moving E.	
8	R	Overcast with ∿∿, moving SE; drizzling rain from 6h. 53m. to 6h. 58m.	
8	R	Overcast; drizzling rain at 7h. 5m. which lasted 12m.	
8	R	Overcast; light rain at 8h. 46m. which lasted 9m.	
8	L	Overcast; rain commenced at 9h. 51m.	
8	L	Overcast; rain ceased at 10h. 11m.	
8	L	Overcast; rain commenced at 11h.	
8	L	Overcast with ∿∿, moving E; rain commenced at 0h. 9m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°3. Daily fall of rain by Osler's gauge 2.75in.; the reading of barometer at 4 P. M. was 29.584in. lowest during the month, and about 0.127in. lower than the normal mean for that hour.
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	L	" "	
8	L	" "	
8	B	Overcast; rain ceased at 11h. 26m.	
8	L	Overcast; rain commenced at 12h.	
8	C	Overcast; rain ceased at 1h. 7m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; drizzling rain from 4h. 5m. to 4h. 16m.	
8	R	Overcast; a shower of rain at 5h. 41m. which lasted 2m.	
8	R	Overcast; drizzling rain from 6h. 18m. to 6h. 22m.	
8	R	Overcast; a break about W hor.	
8	R	Overcast; showers of rain at 8h. 10m. and at 8h. 36m. which lasted 5m.	
8	L	Overcast; rain commenced at 9h. 6m.	
8	L	Overcast; rain ceased at 10h. 26m.	
8	L	Overcast; no rain.	
7	L	Densely clouded except in SE, moving E; drizzling rain from 0h. 36m. to 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 84°3.
8	C	Overcast; no rain.	
8	C	Overcast; from 2h. 23m. to 2h. 40m.	
8	R	Overcast; rain commenced at 3h. 10m.	
8	R	Overcast; rain ceased at 4h. 15m. but re-commenced at 4h. 52m.	
8	B	Overcast; rain ceased at 5h. 15m.	
8	B	Overcast; rain commenced at 6h. 15m.	
8	C	Overcast with ∿∿, moving ENE; rain ceased at 7h. 10m.; breaks about S hor.	
8	C	Overcast; rain from 9h. 40m. to 9h. 47m.	
8	R	Overcast; rain from 9h. to 9h. 5m. but re-commenced at 9h. 28m.	
8	R	Overcast; rain ceased at 10h. 27m. but re-commenced at 10h. 53m. which lasted 3m.	
8	B	Overcast; rain commenced at 11h.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between close of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 27th–Noon.	29.683	28.761	77°4	77°4	0°0	77°4	1.00	77°8	79°5	W	0.4	0.24				
1 p. m.	.658	.749	77.1	77.0	0.1	76.9	1.00	77.5	79.5	,,	0.2	0.13				
2 ,,	.640	.695	78.6	78.3	0.3	78.2	0.99	78.9	79.6	,,	0.1	0.01				
3 ,,	.635	.705	79.5	78.1	1.4	77.7	.94	79.4	79.7	,,	0.1					
4 ,,	.621	.693	77.9	77.7	0.2	77.6	.99	78.0	79.7	,,	0.1	0.04				
5 ,,	.624	.738	76.4	76.2	0.2	76.1	.99	76.5	79.6	,,	0.4	1.04				
6 ,,	.640	.730	77.0	77.0	0.0	77.0	1.00	77.3	79.5	,,	0.3		None.	None.	None.	None.
7 ,,	.656	.729	77.6	77.6	0.0	77.6	1.00	77.8	79.4	,,	0.7	0.03				
8 ,,	.678	.771	77.3	77.0	0.3	76.9	0.99	77.6	79.5	,,	0.5	0.01				
9 ,,	.707	.795	77.6	77.2	0.4	77.1	.98	77.8	79.5	,,	0.4					
10 ,,	.704	.818	76.6	76.4	0.2	76.1	.99	77.0	79.5	,,	0.2					
11 ,,	.696	.818	77.0	76.2	0.8	75.9	.97	77.2	79.5	,,	0.2					
Aug. 28th–Midnight	.635	.783	77.7	77.0	0.7	76.7	.97	77.8	79.5	WSW	0.3					
1 a. m.	.677	.769	77.6	77.0	0.6	76.7	.97	77.7	79.4	,,	0.3					
2 ,,	.662	.759	77.6	77.0	0.6	76.7	.97	77.8	79.4	,,	0.5					
3 ,,	.654	.769	77.5	76.5	1.0	74.1	.96	77.9	79.4	,,	0.5					
4 ,,	.656	.777	77.7	76.4	1.3	75.9	.94	77.9	79.4	W	0.2					
5 ,,	.668	.767	77.8	77.0	0.8	76.7	.97	77.9	79.5	,,	0.1					
6 ,,	.676	.776	77.9	77.0	0.9	76.6	.96	77.9	79.6	,,	0.1					
7 ,,	.699	.806	78.5	77.0	1.5	76.4	.94	78.6	79.6	,,	0.2					
8 ,,	.712	.790	80.3	78.2	2.1	77.4	.91	80.0	79.7	WSW	0.1					
9 ,,	.710	.784	81.1	78.5	2.6	77.5	.89	80.7	80.0	W b S	0.2					
10 ,,	.714	.761	82.0	79.4	2.6	78.4	.89	81.5	80.0	,,	0.4					
11 ,,	.704	.770	82.3	79.0	3.3	77.8	.87	81.8	80.0	W	0.3		None.	None.	None.	None.
Noon.	.686	.737	82.4	79.4	3.0	78.3	.88	81.9	80.2	WSW	0.3					
1 p. m.	.660	.720	82.8	79.3	3.5	78.0	.86	82.4	80.4	,,	0.4					
2 ,,	.637	.697	82.8	79.3	3.5	78.0	.86	82.3	80.5	W	0.4					
3 ,,	.622	.715	80.2	77.8	2.4	76.9	.90	80.0	80.5	WNW	0.4	0.03				
4 ,,	.616	.681	81.4	78.8	2.6	77.8	.89	81.1	80.6	W	0.2					
5 ,,	.618	.731	80.0	77.4	2.6	76.2	.87	80.3	80.5	WNW	0.3					
6 ,,	.627	.750	80.0	77.0	3.0	75.8	.88	80.0	80.4	,,	0.2					
7 ,,	.634	.750	79.4	77.0	2.4	76.1	.90	79.3	80.3	,,	0.3					
8 ,,	.651	.760	78.7	77.0	1.7	76.3	.93	78.8	80.2	,,	0.6					
9 ,,	.665	.777	79.0	77.0	2.0	76.2	.91	79.0	80.2	,,	0.4					
10 ,,	.675	.787	79.0	77.0	2.0	76.2	.91	79.0	80.2	,,	0.5					
11 ,,	.666	.811	78.8	76.1	2.7	75.0	.89	78.9	80.2	W	0.6					
Aug. 30th–Midnight	.658	.759	78.0	77.0	1.0	76.6	.96	78.1	79.5	WSW	0.8					
1 a. m.	.644	.756	78.0	76.7	1.3	76.2	.94	78.0	79.5	,,	1.2					
2 ,,	.630	.742	77.6	76.6	1.0	76.2	.96	77.8	79.5	,,	1.0	0.02				
3 ,,	.614	.728	77.4	76.5	0.9	76.1	.96	77.5	79.5	,,	0.8	0.01				
4 ,,	.626	.760	77.8	76.1	1.7	75.4	.93	78.0	79.4	W	0.8					
5 ,,	.636	.776	78.0	76.0	2.0	75.2	.92	78.0	79.5	,,	0.8					
6 ,,	.651	.754	78.2	77.0	1.2	76.5	.95	78.0	79.5	,,	0.3					
7 ,,	.669	.763	77.4	77.0	0.4	76.8	.98	77.4	79.5	,,	0.2	0.05				
8 ,,	.697	.742	78.9	78.6	0.3	78.5	.99	79.0	79.5	,,	0.3					
9 ,,	.701	.739	81.2	79.4	1.8	78.7	.93	80.9	79.7	,,	0.6					
10 ,,	.708	.738	82.8	80.0	2.8	79.0	.89	82.2	80.0	WSW	0.5					
11 ,,	.703	.728	83.6	80.3	3.3	79.2	.87	82.7	80.2	W	0.3					
Noon.	.690	.712	84.4	80.6	3.8	79.3	.85	83.4	80.4	WSW	0.8		None.	None.	None.	None.
1 p. m.	.672	.683	85.0	81.0	4.0	79.6	.84	84.0	80.5	,,	0.6					
2 ,,	.654	.699	84.2	80.0	4.2	78.4	.84	83.2	80.6	,,	0.4					
3 ,,	.640	.681	85.0	80.3	4.7	78.6	.82	84.0	80.9	W	0.4					
4 ,,	.627	.673	82.8	79.6	3.2	78.5	.87	82.1	81.0	,,	0.3					
5 ,,	.626	.692	82.3	79.0	3.3	77.8	.87	81.5	80.9	,,	0.2					
6 ,,	.634	.761	80.4	77.0	3.4	75.7	.86	80.0	80.8	,,	0.3					
7 ,,	.638	.725	79.6	77.8	1.8	77.1	.92	79.6	80.5	W b S	0.6					
8 ,,	.654	.751	79.5	77.5	2.0	76.7	.92	79.3	80.5	W	0.3					
9 ,,	.672	.772	79.4	77.4	2.0	76.6	.92	79.4	80.6	,,	0.2					
10 ,,	.686	.786	79.4	77.4	2.0	76.6	.92	79.4	80.6	,,	0.3					
11 ,,	.678	.784	79.2	77.2	2.0	76.4	.92	79.3	80.6	,,	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ∩≀ nimbi.	
8	B	Overcast; raining.	
8	C	Overcast; rain ceased at 1h. 40m.	
8	C	Overcast; drizzling rain from 2h. 30m. to 2h. 34m.	
8	R	Overcast; heavy rain commenced at 3h. 46m.	
8	R	Overcast; rain ceased at 4h. 57m.	
8	L	Overcast; no rain.	
8	L	Overcast with ∩≀, moving NE; shower of rain at 6h. 7m. and at 6h. 56m. which lasted 3m.	
8	C	Overcast; light rain from 7h. 33m. to 7h. 39m.	
8	C	Overcast; a few stars visible in N.	
6	R	∩≀ scattered about, moving NE; rain from 9h. 22m. and 9h. 57m.	
6	R	Clouded as at 9h. A. M.	
3	B	Clouded with ∩≀ about hor.	
2	B	∩≀ scattered in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 84°3.
4	C	∩≀ scattered about hor., moving ENE.	
4	C	" "	
4	C	" "	
8	C	Overcast; a few stars dimly visible.	
7	R	∩≀ scattered throughout, moving ENE.	
7	R	" "	
6	R	∩≀ scattered throughout; a few ≀ in W.	
6	R	∩≀ and ≀ scattered throughout, former moving NE.	
6	C	" "	
8	C	Overcast with ∩≀ and ≀, former moving ENE.	
8	C	" "	
8	C	" "	
8	L	Overcast with ∩≀, moving E.	
8	L	Overcast; light rain from 2h. 30m. to 2h. 33m.	
8	L	Overcast; no rain.	
8	L	" "	
8	C	" "	
8	C	" "	
7	C	Densely clouded with ∩≀; a shower of rain at 7h. 48m. which lasted 3m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	∩≀ scattered throughout, moving E.	
7	C	" "	
8	L	Overcast with ∩≀, moving E; a few stars dimly visible in W.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 84°1.
8	N	Overcast with ∩≀, moving W; light rain at 1h. 14m. which lasted 15m.	
8	N	Overcast; showers of rain at 2h. 25m. and at 2h. 50m.	
8	N	Overcast; no rain.	
8	N	Overcast; a few stars dimly visible about 2th.	
8	R	Overcast with ∩≀, moving E.	
8	R	Overcast; rain at 6h. 46m. which lasted 15m.	
8	R	Overcast with ∩≀, moving NE; rain from 7h. 30m. to 7h. 35m.	
7	R	Densely clouded with ∩≀.	
5	L	∩≀ and ≀ scattered about, former moving NE; a shower of rain at 9h. 25m.	
6	L	∩≀ and ≀ scattered about, former moving ENE.	
6	L	∩≀ and ∩≀ scattered about, both moving E.	
6	L	∩≀, ∩≀, and ≀ scattered throughout.	
6	N	∩≀ and ≀ scattered about, former moving E.	
5	N	" "	
6	N	∩≀ scattered throughout, moving E.	
8	N	Overcast with ∩≀; drizzling rain from 4h. 10m. to 4h. 15m.	
5	R	∩≀ around hor., moving E; ∩≀ and ≀ scattered about.	
7	R	∩≀ and ≀ scattered throughout, former moving NE.	
4	R	∩≀ and ≀ scattered about.	
5	R	"	
6	L	∩≀ scattered about, moving E.	
3	L	" "	
2	L	∩≀ scattered about hor.; a few masses about 2th., moving NE.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sq. div.	m. s.
Aug. 31st-Midnight	29.674	28.764	79°1	77°6	1°5	77°0	0.94	79°2	80°6	W	0.4					
1 a. m.	.652	.756	79.0	77.2	1.8	76.5	.92	79.0	80.5	W b S	0.3					
2 „	.638	.738	79.0	77.3	1.7	76.6	.93	79.0	80.5	„	0.4					
3 „	.630	.724	79.2	77.5	1.7	76.8	.93	79.1	80.5	„	0.3					
4 „	.630	.722	79.0	77.5	1.5	76.9	.94	79.2	80.4	„	0.3					
5 „	.634	.738	78.3	77.0	1.3	76.5	.94	78.1	80.4	WSW	0.1					
6 „	.652	.753	78.7	77.2	1.5	76.6	.94	78°7	80.3	W b S	0.1					
7 „	.679	.754	79.3	78.0	1.3	77.5	.95	79.2	80.4	„	0.1					
8 „	.706	.782	80.5	78.3	2.2	77.5	.91	80.1	80.5	„	0.1					
9 „	.709	.824	80.8	77.4	3.4	76.1	.86	80.5	80.6	„	0.5					
10 „	.709	.717	82.4	80.4	2.0	79.7	.92	82.3	80.7	W	0.3	0.02				
11 „	.701	.740	83.6	80.0	3.6	78.7	.86	82.9	80.9	„	0.4					
Noon.	.687	.749	84.6	79.7	4.9	77.9	.81	83.7	81.0	WSW	0.5		None.	None.	None.	None.
1 p. m.	.671	.715	84.4	80.2	4.2	78.7	.84	83.6	81.1	W	0.3					
2 „	.663	.721	85.4	80.0	5.4	78.1	.79	84.3	81.3	„	0.3					
3 „	.652	.735	84.6	79.2	5.4	77.2	.79	83.7	81.3	„	0.2					
4 „	.640	.729	84.4	79.0	5.4	77.0	.79	83.5	81.4	„	0.3					
5 „	.641	.757	83.0	78.0	5.0	76.1	.80	82.0	81.5	„	0.1					
6 „	.653	.769	81.2	77.5	3.7	76.1	.85	80.9	81.4	W b S	0.1					
7 „	.656	.781	80.2	77.0	3.2	75.8	.87	80.0	81.3	„	0.1					
8 „	.676	.757	79.8	78.0	1.8	77.3	.92	79.9	81.2	„	0.5					
9 „	.680	.759	79.6	78.0	1.6	77.4	.93	79.7	81.2	„	0.1					
10 „	.685	.804	79.6	77.0	2.6	76.0	.89	79.7	81.1	WSW	0.1					
11 „	.683	.821	79.2	76.4	2.8	75.3	.88	79.4	81.0	„	0.2					
Sept. 1st-Midnight	.668	.774	79.2	77.2	2.0	76.4	.92	79.4	80.9	WSW	0.4					
1 a. m.	.657	.768	78.2	76.8	1.4	76.3	.94	78.6	80.7	SW b W	0.3	0.01				
2 „	.648	.771	78.2	76.5	1.7	75.8	.93	78.5	80.6	„	0.2					
3 „	.642	.771	78.4	76.4	2.0	75.6	.92	78.5	80.5	WSW	0.1					
4 „	.650	.786	78.0	76.1	1.9	75.4	.92	78.4	80.5	„	0.2					
5 „	.661	.801	78.0	76.0	2.0	75.2	.92	78.0	80.5	„	0.6	0.01				
6 „	.673	.848	77.6	75.0	2.6	73.9	.89	77.9	80.4	„	0.2					
7 „	.685	.807	77.8	76.4	1.4	75.9	.94	78.0	80.3	W b S	0.1					
8 „	.708	.824	79.4	77.0	2.4	76.1	.90	79.4	80.4	WSW	0.1					
9 „	.717	.789	81.7	78.7	3.0	77.6	.88	81.3	80.5	W b S	0.2					
10 „	.725	.822	82.8	78.4	4.4	76.7	.83	82.4	80.7	W	0.3					
11 „	.714	.793	84.2	79.2	5.0	77.4	.81	83.5	80.9	„	0.3		None.	None.	None.	None.
Noon.	.698	.788	85.2	79.2	6.0	77.0	.77	83.9	81.2	„	0.5					
1 p. m.	.677	.755	85.7	79.6	6.1	77.4	.77	84.4	81.2	„	0.4					
2 „	.672	.775	86.4	79.2	7.2	76.5	.73	84.8	81.4	„	0.3					
3 „	.666	.737	85.4	79.7	5.7	77.6	.78	84.0	81.6	W b S	0.2					
4 „	.666	.724	84.6	79.8	4.8	78.1	.81	84.0	81.5	WSW	0.2					
5 „	.672	.803	83.6	77.8	5.8	75.4	.78	82.4	81.6	„	0.2					
6 „	.691	.815	81.2	77.3	3.9	75.8	.84	80.9	81.5	„	0.1					
7 „	.711	.867	80.2	76.2	4.0	74.6	.84	80.0	81.4	„	0.1					
8 „	.721	.868	79.7	76.3	3.4	75.0	.86	79.8	81.3	SW b W	0.1					
9 „	.727	.870	79.3	76.3	3.0	75.1	.88	79.4	81.3	„	0.1					
10 „	.720	.858	79.2	76.4	2.8	75.3	.88	79.4	81.2	„	0.1					
11 „	.719	.864	79.2	76.2	3.0	75.0	.88	79.4	81.1	„	0.2					
Sept. 2nd-Midnight	.707	.845	78.6	76.2	2.4	75.3	.90	79.0	81.0	SW	0.1					
1 a. m.	.698	.828	78.5	76.4	2.1	75.6	.91	78.8	80.8	SW b S	0.1					
2 „	.686	.819	78.4	76.3	2.1	75.5	.91	78.7	80.7	„	0.1					
3 „	.676	.801	78.4	76.8	1.6	75.8	.93	78.7	80.6	S b W	0.1					
4 „	.680	.810	78.8	76.8	2.0	75.6	.92	79.0	80.6	„	0.2					
5 „	.692	.826	78.5	76.3	2.2	75.4	.91	78.5	80.6	SSW	0.1		None.	None.	None.	None.
6 „	.716	.831	78.5	76.8	1.7	76.1	.94	78.8	80.6	„	0.1					
7 „	.728	.833	79.5	77.3	2.2	76.5	.91	79.2	80.6	WSW	0.1					
8 „	.743	.852	81.2	77.7	3.5	76.3	.86	80.8	80.6	SW b W	0.1					
9 „	.757	.841	82.8	78.7	4.1	77.2	.84	81.7	80.9	„	0.1					
10 „	.766	.851	84.0	79.0	5.0	77.2	.81	83.1	81.1	WSW	0.1	Less than one cent.				
11 „	.768	.862	84.8	79.0	5.8	76.8	.78	83.8	81.2	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
6	L	≀∩ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 84°1.
4	N	≀∩ scattered about hor.	
8	N	Overcast with ≀∩, moving E.	
8	N	" "	
8	N	Overcast; drizzling rain at 4h. 55m. which lasted 5m.	
8	R	Overcast; no rain.	
7	R	≀∩ scattered throughout, moving E.	
8	R	" "	
8	R	Overcast with ≀∩, moving NE; a few drops of rain at 8h. 50m.	
8	L	Overcast; light rain from 9h. 7m. to 9h. 16m.	
7	L	Densely clouded with ≀∩, moving E.	
8	L	" "	
7	L	" "	
5	N	≀∩ and ≀≀ scattered about, former moving E.	
6	N	" "	
7	N	≀∩ and ≀≀ scattered about, both moving E.	
5	N	≀∩ scattered about, moving E; ≀≀ above NW and W hor.	
5	R	≀∩ scattered about hor., moving E; ≀≀ in S; ≀ about 2th.	
8	R	Overcast with ≀∩; a passing shower of rain at 6h. 15m.	
7	R	Densely clouded with ≀∩ and ≀≀, both moving ENE.	
6	R	≀∩ and ≀≀ scattered about, former moving E.	
8	L	Overcast with ≀∩; a few stars dimly visible.	
5	L	≀∩ and ≀ cattered about hor. and in W, former moving E.	
2	L	≀∩ and ≀ scattered around hor. and in NE, former moving E.	
7	L	≀∩ scattered throughout, moving E; a shower of rain which lasted 4m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 84°1. Daily fall of rain by Osler's gauge 0.02in.
5	N	≀∩ scattered about hor.	
4	N	"	
8	N	Overcast with ≀∩, moving E; a few stars dimly visible.	
5	N	≀∩ scattered about; drizzling rain from 4h. 45m. to 4h. 50m.	
8	R	Overcast with ≀∩; breaks in W.	
8	R	Overcast; drizzling rain from 6h. 5m. to 6h. 10m.	
8	R	Overcast; no rain.	
7	R	Densely clouded with ≀∩, moving NE.	
6	L	≀∩ and ≀≀ scattered about, moving NE.	
7	L	" "	
4	L	" "	
6	L	" "	
6	N	≀≀ and ≀∩ scattered throughout, moving E.	
4	N	≀∩ scattered about, moving NE; ≀≀ above W and SW hor.	
8	N	Overcast with ≀∩ and ≀≀, both moving E.	
6	N	≀≀ and ≀∩ scattered throughout.	
5	R	≀∩ in E and NE; ≀ in SE, S, and W.	
7	R	Densely clouded with ≀∩ and ≀≀, both moving NE.	
7	R	Clouded as at 6 P. M.; a few ≀ above W hor.	
7	R	" "	
7	L	≀∩ and ≀≀ scattered about, both moving E.	
4	L	" "	
8	L	Overcast with ≀∩, ≀, and ≀≀, former moving E; a few stars dimly visible about 2th.	
2	L	Light ≀∩ and ≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 84°1.
5	N	≀∩ scattered about, moving E.	
7	N	Densely clouded with ≀∩.	
4	N	≀∩ scattered about; a few drops of rain at 3h. 30m.	
8	N	Overcast; no rain.	
4	R	≀∩ and ≀≀ scattered about hor., former moving E.	
7	R	Densely clouded; a few drops of rain at 6h. 48m.	
7	R	Densely clouded with ≀∩ and ≀≀, former moving NE.	
5	R	≀≀ around hor.; ≀ and ≀∩ scattered about, latter moving NE.	
4	L	≀∩ and ≀≀ around hor.; ≀ scattered about.	
3	L	" "	
4	L	≀∩ and ≀≀ scattered about, former moving E.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Dedduced Dew-point.	Humidity of Air	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawsof Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 2nd–Noon.	29.759	28.866	86°0	79°0	7°0	76°4	0.74	84°2	81°4	WSW	0.4					
1 p. m.	.751	.812	85.6	80.0	5.6	78.0	.79	84.4	81.5	„	0.3					
2 „	.736	.775	86.0	80.6	5.6	78.7	.80	85.2	81.7	„	0·4					
3 „	.721	.821	85.4	79.0	6.4	76.6	.76	84.0	81.7	„	0.1					
4 „	.720	.854	84.6	78.0	6.6	75.4	.75	83.5	81.7	„	0.3					
5 „	.741	.873	83.0	77.6	5.4	75.5	.79	82.3	81.7	W b S	0.2					
6 „	.746	.909	81.1	76.3	4.8	74.4	.81	80.8	81.6	WSW	0.2					
7 „	.755	.911	80.2	76.2	4.0	74.6	.84	80.0	81.5	„	0.2					
8 „	.765	.921	80.2	76.2	4.0	74.6	.84	80.0	81.5	„	0.2					
9 „	.788	.919	80.0	76.8	3.2	75.5	.87	80.0	81.5	„	0.1					
10 „	.781	.930	79.8	76.3	3.5	74.9	.86	79.8	81.2	„	0.1					
11 „	.781	.913	79.4	76.6	2.8	75.5	.88	79.4	81.2	„	0.1					
Sept. 3rd–Midnight	.767	.910	79.3	76.3	3.0	75.1	.88	79.1	81.1	WSW	0.1					
1 a. m.	.746	.879	78.8	76.4	2.4	75.5	.90	79.0	81.1	W b S	0.1					
2 „	.727	.874	78.6	76.0	2.6	75.0	.89	78.8	81.0	WSW	0.2					
3 „	.725	.883	78.2	75.6	2.6	74.6	.89	78.6	80.9	„	0.2					
4 „	.726	.884	78.2	75.6	2.6	74.6	.89	78.5	80.8	„	0.1					
5 „	.734	.884	78.2	75.8	2.4	74.8	.90	78.4	80.8	„	0.2					
6 „	.742	.900	78.2	75.6	2.6	74.6	.89	78.5	80.7	„	0.1					
7 „	.763	.897	79.6	76.6	3.0	75.4	.88	79.6	80.6	SSW	0.1					
8 „	.783	.891	81.5	77.8	3.7	76.4	.85	81.2	80.7	„	0.3					
9 „	.782	.841	82.4	79.2	3.2	78.0	.87	82.0	80.9	SW	0.2					
10 „	.789	.870	83.6	79.0	4.6	77.3	.82	82.9	81.2	„	0.4					
11 „	.774	.928	82.3	77.0	5.8	74.7	.77	82.2	81.2	„	0.8					
Noon.	.766	.906	79.4	76.4	3.0	75.2	.88	79.6	81.1	WSW	0.1					
1 p. m.	.742	.862	80.1	77.1	3.0	75.9	.88	80.3	81.0	SSW	0.1					
2 „	.734	.826	79.7	77.7	2.0	76.9	.92	79.7	81.0	S b W	0.1					
3 „	.714	.809	81.1	78.0	3.1	76.8	.87	81.0	81.1	„	0·1					
4 „	.713	.809	82.3	78.3	4.0	76.8	.84	81.9	81.2	„	0.2					
5 „	.716	.860	78.4	76.0	2.4	75.1	.90	78.0	81.2	WNW	0.8	0.01				
6 „	.721	.865	77.6	75.8	1.8	75.1	.92	77.8	81.0	W	0.4	0·01				
7 „	.735	.906	77.3	75.0	2.3	74.0	.90	77.6	80.8	„	0.0					
8 „	.741	.870	78.0	76.3	1.7	75.6	.93	78.5	80.7	W b S	0.1					
9 „	.744	.858	78.4	76.8	1.6	76.1	.93	78.8	80.7	„	0.2					
10 „	.738	.859	78.0	76.5	1.5	75.9	.94	78.2	80.7	„	0.0	0.02				
11 „	.735	.855	77.6	76.4	1.2	75.9	.95	78.0	80.6	SW b W	0.1	0.01				
Sept. 5th–Midnight	.718	.853	75.8	75.5	0.3	75.4	.99	76.0	79.7	SW	0.5	0.32				
1 a. m.	.691	.818	76.1	75.8	0.3	75.7	.99	76.6	79.6	WSW	0.3	0.25				
2 „	.681	.811	77.1	76.0	1.1	75.6	.95	77.2	79.6	W b S	0.2					
3 „	.681	.810	77.0	76.0	1.0	75.6	.96	77.2	79.6	WSW	0.0					
4 „	.684	.807	77.2	76.2	1.0	75.8	.96	77.5	79.6	„	0·2					
5 „	.695	.826	77.2	76.0	1.2	75.5	.95	77.4	79.5	SW b W	0.0					
6 „	.722	.847	76.6	76.0	0.6	75.8	.97	77.0	79.4	WSW	0·0					
7 „	.752	.855	77.4	76.8	0.6	76.5	.97	77.7	79.5	S	0.1					
8 „	.764	.856	77.2	77.0	0.2	76.9	.99	77.8	79.5	„	0.2	0.12				
9 „	.770	.800	79.0	79.0	0.0	79.0	1.00	79.1	79.6	SSE	0.1					
10 „	.768	.835	78.2	77.9	0.3	77.8	0.99	78.4	79.7	S	0.1	0.06				
11 „	.760	.810	80.1	78.8	1.3	78.3	.95	80.3	79.9	WSW	0·2					
Noon.	.745	.799	80.4	78.8	1.6	78.2	.93	80.3	80.0	W	0.2					
1 p. m.	.718	.748	83.6	80.2	3.4	79.0	.87	82.7	80.3	W b S	0.1					
2 „	.705	.733	82.6	80.0	2.6	79.1	.90	82.0	80.4	WSW	0.4					
3 „	.692	.715	83.8	80.4	3.4	79.2	.87	82.7	80.7	„	0.5					
4 „	.695	.792	79.8	77.6	2.2	76.7	.91	79.6	80.6	„	0.8					
5 „	.708	.831	79.0	76.7	2.3	75.8	.90	79.0	80.5	W b S	0.5					
6 „	.718	.869	78.0	75.7	2.3	74.8	.90	78.0	80.4	WSW	0.0					
7 „	.732	.904	76.0	74.6	1.4	74.0	.94	77.0	80.1	W b S	0·1					
8 „	.743	.911	77.0	75.0	2.0	74.2	.92	77.6	80.0	„	0.1					
9 „	.778	.885	78.2	76.9	1.3	76.4	.94	78.2	80.0	WSW	0.1					
10 „	.769	.899	78.5	76.4	2.1	75.6	.91	78.3	80.0	SW b W	0.1					
11 „	.760	.907	77.9	75.8	2.1	75.0	.91	77.9	80.0	„	0.1					

Less than one cent. | None. | None. | None. | None.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri ; ≀≀ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩⌣ cumulo-strati ; and ≀∩ nimbi.	
4	L	≀∩ and ≀≀ scattered about, former moving E.	
6	N	≀∩ scattered throughout, moving E.	
6	N	" "	
7	N	Densely clouded with ≀∩, moving ENE.	
8	N	Overcast with ≀∩.	
8	N	"	
7	N	≀, ≀≀, and ≀∩ scattered throughout, the last moving ENE.	
8	N	Overcast with ≀∩ and ≀, the former moving E.	
8	N	" "	
8	R	" "	
6	R	≀∩ scattered throughout; ≀ above W hor.	
6	R	≀ and ≀∩ scattered about, latter moving E.	
6	R	≀∩, ≀, and ≀≀ scattered throughout, former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 84°0. Daily fall of rain by Osler's gauge 0.05in.
6	L	≀∩ and ≀ scattered about, former moving E.	
6	L	" "	
5	L	" "	
4	L	" "	
8	N	≀∩ scattered throughout, moving E.	
6	N	≀∩ and ≀≀ scattered about, former moving E.	
8	N	Overcast with ≀∩.	
8	N	Overcast with ≀∩ and ≀≀, former moving ENE.	
8	L	≀∩ and ≀ scattered throughout, former moving NE.	
8	L	" "	
8	L	Overcast; drizzling rain commenced at 11h. 40m.	
8	L	Overcast; rain ceased at 12h. 30m. but re-commenced at 12h. 45m.	
8	R	Overcast; drizzling rain.	
8	R	Overcast; rain ceased at 2h. 4m.	
8	R	Overcast; no rain.	
8	R	Overcast with ≀∩ and ≀≀, moving ENE; rain commenced at 4h. 46m.	
8	L	Overcast with ≀∩, moving E; rain ceased at 5h. 12m.	
8	L	Overcast; no rain.	
8	B	" "	
6	B	≀∩ and ≀≀ scattered about, former moving E.	
5	B	≀∩ scattered about, moving NE; showers of rain at 9h. 20m. and at 9h. 30m., which lasted about 5m.	
7	B	Densely clouded with ≀∩, moving NE; a shower of rain at 10h. 25m., which lasted 5m.	
8	B	Overcast; a few stars dimly visible.	
8	R	Overcast with ≀∩, moving E; rain ceased at 0h. 23m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 84°0. Daily fall of rain by Osler's gauge 0.80in.
8	B	Overcast with ≀∩, moving ENE; a shower of rain at 1h. 36m.	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
8	B	Overcast with ≀∩, moving E.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀∩, moving NE; light rain from 7h. 7m. to 7h. 36m.	
8	C	Overcast; no rain.	
8	R	Overcast; rain commenced at 9h. 15m.	
8	R	Overcast; rain ceased at 10h. 18m.	
6	R	≀∩ and ≀≀ scattered throughout, both moving NE; light rain from 11h. 40m. to 11h. 54m.	
8	R	Overcast; no rain.	
8	L	Overcast; a passing shower of rain at 1h. 15m.	
5	L	≀∩ scattered about, moving NE; ≀ and ≀≀ above W and SW hor.	
7	L	Densely clouded with ≀∩ and ≀; drops of rain from 3h. 42m. to 3h. 46m.	
8	L	Overcast; drizzling rain from 4h. 2m. to 4h. 10m.	
8	C	Overcast; a rainbow visible in E with its two reflected images.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	R	" "	
4	R	≀∩ around hor.; ≀≀ scattered about, moving NE.	
4	R	≀∩ and ≀≀ scattered about, both moving ENE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 6th-Midnight	29.758	28.899	78°1	76°0	2°1	75°2	0.91	78°0	80°0	WSW	0.0					
1 a. m.	.732	.870	77.8	76.0	1.8	75.3	.92	77.8	80.0	W b S	0·0	0.04				
2 „	.722	.883	76.4	75.0	1.4	74.4	.94	76.7	79.9	SW b S	0·4					
3 „	.715	.850	76.8	75.8	1.0	75.4	.96	77.3	79.8	WSW	0.1					
4 „	.722	.869	77.2	75.6	1.6	75.0	.93	77.6	79.7	W b S	0·2					
5 „	.734	.893	76.8	75.2	1.6	74.5	.93	77.1	79.6	SW b W	0·1					
6 „	.744	.873	77.0	76.0	1.0	75.6	.96	77.0	79.6	W b S	0.2					
7 „	.763	.868	77.6	76.8	0.8	76.5	.96	77.9	79.7	SW b W	0.1					
8 „	.781	.941	77.3	75.3	2.0	74.5	.91	77.5	79.7	„	0.0					
9 „	.791	.923	78.7	76.4	2.3	75.5	.90	78.8	79.7	W b N	0.1	0.01				
10 „	.790	.910	79.7	77.0	2.7	75.9	.89	79.8	79.8	SW b W	0.1					
11 „	.781	.817	82.6	79.8	2.8	78.8	.89	81.3	80.0	„	0·1		None.	None.	None.	None.
Noon.	.769	.844	83.1	79.0	4.1	77.5	.84	82.0	80.3	„	0.2					
1 p. m.	.753	.814	83.8	79.5	4.3	78.0	.84	82.4	80.4	WSW	0.4					
2 „	.736	.868	83.0	77.6	5.4	75.5	.79	82.2	80.6	„	0.4					
3 „	.732	.808	83.2	79.0	4.2	77.5	.84	82.3	80.7	„	0·2					
4 „	.731	.839	78.6	77.0	1.6	76.4	.93	79.0	80.5	W b S	0.1	0.03				
5 „	.735	.882	78.6	76.0	2.6	75.0	.89	79.0	80.5	SW b W	0·0					
6 „	.743	.875	77.6	76.1	1.5	75.5	.94	78.0	80.2	„	0.0					
7 „	.763	.868	78.4	77.0	1.4	76.5	.94	78.7	80.1	„	0.0					
8 „	.785	.918	77.4	76.0	1.4	75.5	.94	78.0	80.0	„	0·2					
9 „	.800	.943	78.3	76.0	2.3	75.1	.90	78.2	80.1	„	0.3					
10 „	.806	.939	78.1	76.2	1.9	75.5	.92	78.1	80.2	„	0.2					
11 „	.784	.905	78·0	76.5	1.5	75.9	.94	78.0	80.0	„	0.1					
Sept. 7th-Midnight	.782	.922	78.0	76.0	2.0	75.2	.92	78.0	80.0	SW b S	0.1					
1 a. m.	.762	.906	77.6	75.8	1.8	75.1	.92	77.9	79.9	„	0.1					
2 „	.753	.885	78.0	76.2	1.8	75.5	.92	78.1	80.0	SSW	0.1					
3 „	.750	.911	76.4	75.0	1.4	74.4	.94	76.8	79.8	SW	0·1	0.02				
4 „	.757	.899	76.4	75.5	0.9	75.1	.96	77.0	79.8	SW b S	0.1					
5 „	.764	.893	77.0	76.0	1.0	75.6	.96	77.2	79.6	S b W	0·1					
6 „	.781	.889	77 7	76.8	0.9	76.4	.96	77.8	79.7	S	0.2					
7 „	.801	.899	77.0	76.8	0.2	76.7	.99	77.4	79.6	SW b S	0.0	0.08				
8 „	.818	.951	77.4	76.0	1.4	75.5	.91	77.5	79.7	SW	0.3					
9 „	.830	.961	78.2	76.3	1.9	75.5	.92	78.2	79·7	WSW	0.2					
10 „	.831	.909	81.5	78.5	3.0	77.4	.88	80.7	80.0	SW b W	0.5					
11 „	.827	.877	80.8	79.0	1.8	78.3	.93	80.7	80.0	„	0.2		None.	None.	None.	None.
Noon.	.815	.886	79.3	78.1	1.2	77.6	.95	79.5	80.0	W b S	0.1	0.03				
1 p. m.	.789	.896	80.0	77.4	2.6	76.4	.89	80.0	80.1	WSW	1.0					
2 „	.779	.880	80.1	77.6	2.5	76.6	.90	80.0	80.2	„	0.2					
3 „	.770	.932	78.2	75.5	2.7	74.4	.89	78.2	80.2	„	0.2					
4 „	.764	.900	78.4	76.2	2.2	75.4	.91	78.5	80.1	„	0.0					
5 „	.772	.906	77.8	76.1	1.7	75.4	.93	78.0	80.0	W	0.3					
6 „	.781	.908	77.2	76.1	1.1	75.7	.95	77.4	79.9	SW b S	0.1					
7 „	.789	.890	78.0	77.0	1.0	76.6	.96	78.0	79.7	W b S	0.1					
8 „	.801	.960	76.2	75.0	1.2	74.5	.95	77.0	79.7	SW	0·1	0.01				
9 „	.827	.925	77.7	77.0	0.7	76.7	.97	77.9	79.9	„	0·1					
10 „	.824	.945	77.7	76.4	1.3	75.9	.94	77.9	79.8	„	0.1					
11 „	.812	.939	77.6	76.2	1.4	75.7	.94	77.9	79.8	WSW	0.1					
Sept. 8th-Midnight	.802	.927	77.7	76.3	1.4	75.8	.94	77.8	79.8	SW b W	0.1					
1 a. m.	.779	.928	77.0	75.5	1.5	74.9	.94	77.3	79.7	„	0.1					
2 „	.771	.920	77.0	75.5	1.5	74.9	.94	77.3	79.7	SW	0·1					
3 „	.768	.921	76.4	75.2	1.2	74.7	.95	76.5	79.6	W b N	0.2	0.12				
4 „	.777	.919	76.0	75.4	0.6	75.1	.97	76.4	79.4	W b S	0.1		None.	None.	None.	None.
5 „	.789	.936	75.8	75.2	0.6	75.0	.97	76.4	79.4	WSW	0.1	0.02				
6 „	.805	.941	76.6	75.7	0.9	75.4	.96	76.9	79.5	SW b W	0.1					
7 „	.826	.923	77.6	77.0	0.6	76.7	.97	77.8	79.5	„	0·1					
8 „	.837	.992	77.2	75.4	1.8	74.7	.92	77.4	79.5	W	0.2	0.04				
9 „	.848	.905	79.6	78.5	1.1	78.1	.95	79.5	79.5	SW b S	0·1					
10 „	.846	.955	82.0	77.9	4.1	76.3	.84	80.8	79.8	SW b W	0.4					
11 „	.841	.869	82.6	80.0	2.6	79.1	.90	81.5	80.0	WSW	0.5	0.10				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒̲ cirro-strati; ⌒̲ cumulo-strati; and ≤̲ nimbi.	
4	R	≤̲ scattered around hor. and in S, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 84°0. Daily fall of rain by Osler's gauge 0.09in.
3	L	≤̲ scattered about, moving NE; rain commenced at 1h. 27m. and ceased at 1h. 40m.	
8	L	Overcast.	
8	L	"	
3	L	≤̲ scattered about hor.	
2	C	"	
7	C	Densely clouded with ≤̲, moving E.	
7	C	Densely clouded; drizzling rain commenced at 7h. 55m.	
8	C	Overcast; rain ceased at 8h. 10m.	
8	R	Overcast; no rain.	
8	R	" "	
6	R	≤̲ scattered throughout, moving ENE; ≤ lying about zth.	
7	R	≤̲ scattered throughout, moving E.	
3	L	≤̲ and ≤ scattered about hor., former moving NE; a few ≤ about zth.	
8	L	Overcast with ≤̲ and ≤.	
8	L	Overcast; rain from 3h. 24m. to 3h. 38m.	
8	L	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast; a shower of rain at 7h. 20m., which lasted 2m.	
5	C	≤̲ around hor.; ≤̲ scattered about.	
1	R	≤̲ around hor.; a few ≤̲ in E and SE of zth.	
7	R	Densely clouded with ≤̲, moving NE.	
7	R	Densely clouded as before.	
8	R	Overcast with ≤̲ and ≤̲, both moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°9. Daily fall of rain by Osler's gauge 0.20in.
6	L	≤̲ and ≤ scattered about, former moving NE.	
5	L	≤̲ and ≤ around hor. and in W hem., moving NE; light rain at 2h. 7m., which lasted 4m.	
7	L	Densely clouded with ≤̲, moving NE.	
8	L	Overcast with ≤̲, moving NE.	
8	C	" "	
8	C	Overcast; light rain from 6h. 2m. to 6h. 41m.	
5	C	≤̲ scattered about hor., moving NE; a shower of rain at 7h. 53m., which lasted 2m.	
8	C	Overcast with ≤̲, moving ENE.	
8	R	Overcast with ≤̲ and ≤̲.	
8	R	Overcast; light rain from 10h. 2m. to 10h. 10m.	
8	R	Overcast; light rain from 11h. 25m. to noon.	
8	R	Overcast; no rain.	
8	L	" "	
8	L	Overcast; drizzling rain at 2h. 38m.	
8	L	Overcast with ≤̲, moving NE; rain ceased 3h. 7m.	
8	L	Overcast; no rain.	
8	C	Overcast with ≤̲, moving ENE; drizzling rain commenced at 5h. 41m.	
8	C	Overcast; rain ceased at 6h. 9m.	
8	C	Overcast; rain commenced at 7h. 36m.	
8	C	Overcast; rain ceased at 8h. 13m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	" "	
6	R	≤̲ around hor.; ≤ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8. Daily fall of rain by Osler's gauge 0.35in.
5	L	≤̲ around hor.; ≤ and ≤̲ scattered about, moving E.	
3	L	≤̲ scattered about hor.; showers of rain at 2h. 20m. and at 2h. 49m., which lasted 3m.	
8	L	Overcast with ≤̲, moving E.	
8	L	Overcast; light rain from 4h. 2m. to 4h. 32m.	
8	C	Overcast; no rain.	
7	C	Densely clouded with ≤̲, moving NE.	
3	C	≤̲ scattered about hor.; light rain from 7h. 45m. to 7h. 53m.	
8	C	Overcast with ≤̲, moving NE.	
6	R	≤̲, ≤, and ≤̲ scattered about, former moving NE.	
7	R	≤̲ scattered throughout; a shower of rain at 10h. 5m., which lasted 3m.	
6	R	Densely clouded; a passing shower of rain at 11h. 53m.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the sensible degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 8th-Noon.	29.821	28.887	82°3	79°0	3°3	77°8	0.87	81°4	80°2	SW	0.4					
1 p. m.	.796	.817	83.6	80.4	3.2	79.0	.87	82.5	80.3	W b S	0.6					
2 „	.782	.895	83.8	78.3	5.5	76.2	.79	82.5	80.4	WSW	0.2					
3 „	.773	.954	81.0	75.8	5.2	73.7	.79	80.3	80.5	SW b W	0.8					
4 „	.774	.888	81.0	77.5	3.5	76.1	.86	80.6	80.5	SW b S	0.3					
5 „	.775	.958	78.4	75.0	3.4	73.6	.86	78.4	80.5	WSW	0.5					
6 „	.789	.977	78.2	74.6	3.6	73.1	.85	78.3	80.3	„	0.3		None.	None.	None.	None.
7 „	.787	.936	78.8	76.0	2.8	74.9	.88	78.9	80.1	„	0.2					
8 „	.796	.932	77.6	76.0	1.6	75.4	.93	78.0	80.0	SW	0·3					
9 „	.814	.954	78.0	76.0	2.0	75.2	.92	78.0	80.0	W b S	0.1					
10 „	.809	.931	76.4	76.0	0.4	75.9	.98	76.6	80.0	„	0·1	0.05				
11 „	.799	.939	77.0	75.7	1.3	75.7	.94	77.2	79.9	SW b W	0·1					
Sept. 9th-Midnight	.779	.905	77.5	76.2	1.3	75.7	.94	77.7	79.8	SW b W	0.1					
1 a. m.	.752	.916	77.4	75.2	2.2	74.3	.91	77.7	79.7	„	0·2					
2 „	.736	.885	77.4	75.6	1.8	74.9	.92	77.6	79.7	WSW	0.1					
3 „	.728	.888	77.0	75.2	1.8	74.5	.92	77.3	79.7	„	0.1					
4 „	.730	.874	77.0	75.6	1.4	75.1	.94	77.3	79.6	SW b W	0.1					
5 „	.742	.894	77.0	75.4	1.6	74.8	.93	77.4	79.6	„	0.2					
6 „	.752	.885	77.4	76.0	1.4	75.5	.94	77.5	79.6	„	0.1					
7 „	.772	.901	77.0	76.0	1.0	75.6	.96	77.2	79.6	WSW	0.1	0.05				
8 „	.791	.911	79.0	76.8	2.2	75.9	.91	78.8	79.6	„	0.2					
9 „	.805	.875	81.5	78.7	2.8	77.7	.89	80.6	79.8	SW b W	0.2					
10 „	.803	.873	82.6	79.0	3.6	77.7	.86	81.2	80.0	„	0.1		None.	None.	None.	None.
11 „	.790	.882	82.8	78.5	4.3	76.9	.83	81.2	80.2	WSW	0·2					
Noon.	.767	.812	83.1	79.7	3.4	78.5	.86	81.9	80.4	„	0.3					
1 p. m.	.743	.855	83.4	78.2	5.2	76.2	.80	82.2	80 5	W	0 2					
2 „	.727	.865	81.4	77.0	4.4	75.3	.82	80.9	80.5	„	½ to 2					
3 „	.716	.832	83.0	78.0	5.0	76.1	.80	81.8	80.6	WSW	0.2					
4 „	.719	.836	80.2	77.2	3.0	76.0	.88	79.8	80.6	„	½ to 2					
5 „	.718	.893	78.5	75.1	3.4	73.7	.86	78.9	80.4	„	½ to 2½					
6 „	.725	.887	78.6	75.6	3.0	74.4	.88	78.7	80.1	„	0 to 1½					
7 „	.741	.920	78.7	75.2	3.5	73.8	.86	78.9	80.1	„	0·4					
8 „	.760	.843	78.4	75.0	3.4	73.6	.86	78.4	80.0	„	0.4					
9 „	.772	.960	77.1	74.5	2.6	73.4	.89	77.4	80.0	SW	0.1					
10 „	.767	.900	77.4	76.0	1.4	75.5	.94	77.5	80.0	SW b S	0.1					
11 „	.762	.894	78.0	76.2	1.8	75.5	.92	78.0	80.0	SW	0·1					
Sept 10th-Midnight	.737	.878	78.1	76.0	2.1	75.2	.91	78.0	80.0	SW b W	0.1					
1 a. m.	.715	.862	77.2	75.6	1.6	75.0	.93	77.0	79.9	„	0.8					
2 „	.709	.870	76.4	75.0	1.4	74.4	.94	77.0	79.9	WSW	0.3					
3 „	.701	.869	77.0	75.0	2.0	74.2	.91	77.3	79.7	SW b S	0·4					
4 „	.701	.854	77.0	75.4	1.6	74.7	.93	77.3	79.6	SSW	0.2					
5 „	.719	.887	77.0	75.0	2.0	74.2	.91	77.2	79.6	S b W	0.5					
6 „	.722	.838	76.8	75.0	1.8	74.3	.92	77.0	79.6	S	0.4					
7 „	.740	.837	77.6	77.0	0.6	76.7	.97	78.0	79.6	S b W	0.2					
8 „	.753	.895	78.2	76.0	2.2	75.1	.91	78·2	79.7	SW b W	0.4					
9 „	.771	.892	78.4	76.6	1.8	75.9	.92	78.2	79.6	S b W	0.2					
10 „	.771	.906	80.1	76.7	3.4	75.4	.86	79.9	79.7	„	0.1		None.	None.	None.	None.
11 „	.767	.805	82.8	79.8	3.0	78.7	.88	81.9	80.0	„	0.1					
Noon.	.759	.851	82.8	78.5	4.3	76.9	.83	82.0	80.2	SSW	0.1					
1 p. m.	.731	.819	79.0	77.6	6.4	77.1	.94	78.5	80.2	SW b S	0.1	0.01				
2 „	.720	.772	81.0	79.0	2.0	78.3	.92	80.6	80.2	S b W	0.2					
3 „	.706	.846	78.0	76.0	2.0	75.2	.92	78.1	80.2	SW	0.4					
4 „	.705	.819	78.2	76.6	1.6	75.9	.93	78·6	80.1	SW b S	0.2					
5 „	.714	.859	76.7	75.5	1.2	75.0	.95	77.2	80.0	„	0.2					
6 „	.733	.859	76.7	76.0	0.7	75.7	.97	77.0	79.9	S b W	0.1	0.01				
7 „	.750	.834	75.7	75.5	0.2	75.4	.99	76.0	79.7	WNW	0.1	0.06				
8 „	.764	.914	75.4	75.0	0.4	74.8	.98	76.0	79.5	„	0.1					
9 „	.787	.916	76.0	75.7	0.3	75.5	.99	76.5	79.5	WSW	0.0					
10 „	.782	.909	76.8	76.0	0.8	75.7	.97	77.0	79.5	SW b S	0.1					
11 „	.775	.932	76.0	75.0	1.0	74.6	.96	76.2	79.5	S b W	0.1	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤ cirro-cumuli; ≤ cumuli ≤ cirro-strati; ≤ cumulo-strati; and ≤ nimbi.	
6	R	Clouded with ≤, moving ENE; ≤ about W hor.	
5	L	≤ and ≤ scattered about, former moving NE.	
4	L	≤, ≤, and ≤ scattered about hor.	
8	L	Overcast with ≤, moving NE.	
8	L	" "	
8	C	Overcast with ≤, moving ENE.	
8	C	" "	
8	C	" "	
7	C	≤ and ≤ scattered about, former moving E; drizzling rain between 8h. 35m. and 8h. 37m.	
8	R	≤ scattered throughout; light showers of rain at 9h. 17m. and at 9h. 28m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ≤, moving ENE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8. Daily fall of rain by Osler's gauge 0.10in.
8	L	" " "	
4	L	≤ scattered about hor., moving NE; ≤ in E of zth.	
2	L	≤ scattered around hor.	
6	L	≤ scattered throughout, moving NE.	
7	C	" "	
7	C	Densely clouded; light rain from 6h. 38m. to 6h. 45m.	
7	C	Densely clouded; no rain	
7	C	Densely clouded; drizzling rain between 8h. and 8h. 5m.	
7	R	Densely clouded with ≤ and ≤, former moving NE.	
7	R	" "	
5	R	≤ around hor.; ≤ scattered in S and W.	
7	R	Densely clouded with ≤ and ≤, former moving NE.	
7	L	Densely clouded with ≤, ≤, and ≤.	
8	L	Overcast with ≤ and ≤; a few ≤ in SW.	
7	L	Densely clouded with ≤ and ≤.	
8	L	Overcast with ≤, moving NE; light rain at 4h. 8m. which lasted 3m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	R	Overcast; a passing shower of rain at 9h.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ≤, moving NE; drops of rain now and then.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8. Daily fall of rain by Osler's gauge 0.10in.
8	L	Overcast; no rain.	
7	L	" "	
8	L	≤ scattered throughout, except about zth.	
8	L	Overcast with ≤, moving NE.	
8	C	" "	
8	C	" "	
8	C	Overcast; drizzling rain between 7h. 40m. and 7h. 44m.	
8	C	Overcast; a few drops of rain at the time of observation.	
8	R	Overcast; a few drops of rain at 9h. 38m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast; passing showers of rain.	
8	L	Overcast; no rain.	
8	L	Overcast; drizzling rain at 2h. 42m. which lasted 3m.	
8	L	Overcast; no rain.	
8	L	Overcast; drizzling rain commenced at 4h. 30m.	
8	R	Overcast; rain ceased at 5h. 25m.	
8	R	Overcast; light rain from 6h. 20m. to 6h. 55m.	
8	R	Overcast; no rain.	
8	R	" "	
8	R	Overcast with ≤, moving ENE.	
8	R	Overcast; drizzling rain from 10m. 25m. to 10h. 30m.	
8	R	Overcast; no rain.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the flash of discharge and the report of the explosion after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 12th-Midnight	29.826	28.899	78°3	77°8	0°5	77°6	0.98	78°2	79°6	WSW	0.4					
1 a. m.	.818	.904	78.1	77.4	0.7	77.1	.97	78.1	79.6	W b S	0·2					
2 „	.802	.932	77.8	76.2	1.6	75.6	.93	77.9	79.6	„	0·1					
3 „	.793	.928	77.5	76.0	1.5	75.4	.93	77.5	79.6	„	0.1					
4 „	.799	.952	77.4	75.5	1.9	74.7	.92	77.5	79.5	„	0.2					
5 „	.810	.938	76.9	76.0	0.9	75.6	.96	77.1	79.4	„	0.0					
6 „	.832	.957	77.0	76.1	0.9	75.8	.96	77.2	79.5	SW b S	0.1					
7 „	.854	.951	79.5	77.5	2.0	76.7	.92	79.0	79.6	SSW	0.0					
8 „	.877	.974	79.8	77.6	2.2	76.7	.91	79.5	79.6	„	0·1					
9 „	.890	.995	79.1	77.2	1.9	76.5	.92	79.0	79.6	„	0.1	0.01				
10 „	.892	.993	81.6	78.0	3.6	76.6	.86	81.0	79.8	„	0.1					
11 „	.879	.977	81.0	77.9	3.1	76.7	.87	80.7	79.9	„	0.2					
Noon.	.859	.930	82.4	78.9	3.5	77.6	.86	81.7	80.0	„	0·2		None.	None.	None.	None.
1 p. m.	.833	.906	82.2	78.8	3.4	77.6	.86	81.9	80.2	S	0·2					
2 „	.818	.884	83.0	79.2	3.8	77.8	.85	82.1	80.4	S b W	0·2					
3 „	.802	.920	83.2	78.0	5.2	76.0	.80	82.0	80.4	SW	0·1					
4 „	.794	.872	81.0	78.4	2.6	77.4	.89	80.5	80.4	SW b S	0·2	0.01				
5 „	.813	.934	80.6	77.2	3.4	75.9	.86	80.0	80.4	W	0·1	0.01				
6 „	.827	.941	79.2	77.0	2.2	76.1	.91	79.0	80.3	„	0·1					
7 „	.839	.951	78.6	76.9	1.7	76.2	.93	78.7	80.2	„	0.0					
8 „	.858	.973	78.5	76.8	1.7	76.1	.93	78.7	80.1	WNW	0.0					
9 „	.864	.973	78·7	77.0	1.7	76.3	.93	78.9	80.1	„	0.0					
10 „	.870	.999	78.0	76.3	1.7	75.6	.93	78.0	80.1	„	0.0					
11 „	.861	.990	77.0	76.0	1.0	75.6	.96	77.4	80.0	„	0.1					
Sept 13th-Midnight	.844	.771	76.8	76.0	0·8	75.6	.97	77.3	79.9	WNW	0.0					
1 a. m.	.823	.961	76.6	75.8	0.8	75.5	.97	77.2	79.9	„	0.0					
2 „	.813	.921	77.2	76.6	0.6	76.4	.97	77.5	79.7	NE b N	0.2					
3 „	.802	.904	77.6	76.6	1.0	76.2	.96	77.6	79.6	E	0.2					
4 „	.803	.945	76.0	75.4	0.6	75.1	.97	76.4	79.7	„	0.1	0.40				
5 „	.830	.960	76.0	75.7	0.3	75.6	.99	76.4	79.6	„	0.1	0.21				
6 „	.842	.995	75.6	75.0	0.6	74·7	.97	76.1	79.5	„	0.1					
7 „	.866	.988	76.4	76.0	0.4	75.9	.98	76.8	79.5	„	0.1					
8 „	.889	.970	78.0	77.5	0.5	77.3	.98	78.1	79.5	„	0.1					
9 „	.901	.966	78.4	78.0	0.4	77.8	.98	78·7	79.6	„	0.1					
10 „	.897	.975	79.5	78.0	1·5	77.4	.94	79.7	79.6	E b S	0·1					
11 „	.887	.931	81.0	78.0	3.0	76.8	.88	81.0	79.9	„	0·1					
Noon.	.869	.933	82.1	79.0	3.1	77.9	.87	81.7	80.0	„	0.1		None.	None.	None.	None.
1 p. m.	.842	.902	83.2	79.4	3.8	78.0	.85	81.9	80.2	ESE	0.2					
2 „	.824	.899	83.8	79.2	4.6	77.5	.82	82.4	80.4	SE b S	0·1					
3 „	.814	.913	83.8	78.6	5.2	76.7	.80	82.3	80.5	W	0.1					
4 „	.808	.897	82.5	78.5	4.0	77.0	.84	81.7	80.5	„	0.1					
5 „	.813	.959	81.1	76.7	4.4	75.0	.82	80.6	80.5	NW b N	0.1					
6 „	.818	.947	80.5	77.0	3.5	75.6	.86	80.0	80.3	„	0·1					
7 „	.835	.971	77.6	76.0	1.6	75.4	.93	78.0	80.3	SW b W	0·1	0.11				
8 „	.840	.973	77.4	76.0	1.4	75.5	.94	78.0	80.2	SW	0·0					
9 „	.852	.987	77.5	76.0	1.5	75.4	.94	78.0	80.1	W b S	0·1					
10 „	.850	.983	77.4	76.0	1.4	75.5	.94	77.9	80.0	„	0.1					
11 „	.830	.961	77.2	76.0	1.2	75.5	.95	77.5	80.0	„	0·0					
Sept 14th-Midnight	.816	.942	77.5	76.2	1.3	75.7	.94	77.9	80.0	W	0.1					
1 a. m.	.794	.945	77.6	75.6	2.0	74.8	.92	77.9	79.9	NW b W	0.1					
2 „	.784	.914	77.8	76.2	1.6	75.6	.93	78.0	79.8	NNW	0.0					
3 „	.780	.887	77.8	76.8	1.0	76.4	.96	78.0	79.8	N b W	0.0					
4 „	.786	.898	77.6	76.6	1.0	76.2	.96	77.9	79.8	NE b E	0.0					
5 „	.802	.931	77.0	76.0	1.0	75.6	.96	77.2	79.8	ENE	0.0					
6 „	.816	.935	76.8	76.2	0.6	76.0	.97	77.2	79.7	„	0.0					
7 „	.836	.935	77.8	77.0	0.8	76.7	.96	78.2	79.6	„	0.0					
8 „	.857	.962	78.4	77.0	1.4	76.5	.94	78.8	79.7	NE b E	0·0					
9 „	.859	.950	80.7	78.0	2.7	76.9	.89	80.4	79.9	„	0·0					
10 „	.861	.987	81.4	77.3	4.1	75.7	.84	80.9	80.0	WNW	0.1					
11 „	.844	.940	81.2	78.0	3.2	76.8	.87	81.0	80.2	S b E	0.1					

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐ri cirro-cumuli; ⌐ri cumuli; ⌐i cirro-strati; ⌐i cumulo-strati; and ⌐i nimbi.	
6	R	⌐i scattered about, moving ENE; ⌐i above W hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°7. Daily fall of rain by Osler's gauge 0.03in.
3	B	Masses of ⌐i scattered about, moving NE.	
3	B	" "	
7	B	Densely clouded with ⌐i, moving NE; passing rain at 3h. 6m.	
7	B	Densely clouded; light rain at 4h. 7m. which lasted 5m.	
7	C	⌐i around hor.; ⌐i scattered throughout.	
6	C	" "	
7	C	⌐i and ⌐i scattered throughout, both moving ENE.	
8	C	Overcast; drizzling rain between 8h. 30m. and 8h. 32m.	
7	R	Densely clouded with ⌐i, moving ENE.	
8	R	Overcast; no rain.	
8	R	" "	
7	R	⌐i scattered throughout.	
8	L	Overcast with ⌐i, moving N.	
4	L	⌐i scattered about, moving NE.	
6	L	⌐i scattered about; showers of rain at 3h. 10m. and at 3h. 37m. which lasted 5m.	
6	L	⌐i scattered throughout; a shower of rain at 4h. 22m. which lasted 4m.	
3	C	⌐i scattered about hor.	
2	C	"	
4	C	⌐i scattered about hor.	
6	C	"	
8	R	"	
3	R	⌐i scattered about hor. in E hem.	
4	R	⌐i scattered about hor., moving ENE.	
5	R	⌐i scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°7. Daily fall of rain by Osler's gauge 0.71in.
4	L	" "	
7	L	Densely clouded with ⌐i, moving ENE; drops of rain between 2h. 17m. and 2h. 46m.	
8	L	Overcast with ⌐i, moving NE; rain commenced at 3h. 22m.	
8	L	Overcast with ⌐i, moving ENE; rain ceased at 4h. 24m.	
8	C	Overcast with ⌐i, moving E.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	R	"	
7	R	⌐i scattered throughout.	
7	R	"	
6	R	⌐i scattered about; a few ⌐i above W hor.	
5	L	⌐i scattered about hor., moving E.	
5	L	⌐i scattered about hor.; a few ⌐i in SE and S.	
8	L	Overcast with ⌐i, moving NE.	
8	L	" "	
7	C	Densely clouded with ⌐i, moving ESE.	
5	C	⌐i scattered about; light rain at 6h. 31m. which lasted 18m.	
8	C	Overcast with ⌐i, moving E.	
8	C	" "	
7	R	Densely clouded with ⌐i.	
6	R	⌐i scattered throughout a few ⌐i in W hor.	
5	R	⌐i scattered about.	
8	R	Overcast with ⌐i, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°5.
8	L	Overcast.	
8	L	"	
8	L	"	
8	L	"	
8	C	"	
8	C	Overcast with ⌐i, moving NE.	
8	C	Overcast; drops of rain falling between 7h. 26m. and 7h. 40m.	
8	C	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 14th-Noon.	29.819	28.921	81°7	78°0	3°7	76°6	0.85	81°4	80°3	SSE	0.1					
1 p. m.	.792	.910	83.2	78.0	5.2	76.0	.80	82.1	80.4	SW	0.1					
2 „	.770	.955	84.2	76.6	7.6	73.5	.71	82.4	80.5	W	0.2					
3 „	.755	.916	84.2	77.2	7.0	74.4	.73	82.7	80.6	„	0.1					
4 „	.745	.910	84.6	77.2	7.4	74.3	.72	82.7	80.7	W b N	0.0					
5 „	.748	.912	82.7	76.7	6.0	74.3	.77	81.3	80.7	SW b W	0.0					
6 „	.761	.929	80.5	76.0	4.5	74.2	.82	80.0	80.7	NW b W	0.0					
7 „	.775	.978	79.6	74.8	4.8	72.9	.81	79.2	80.5	WNW	0.0					
8 „	.792	.978	78.6	75.0	3.6	73.5	.85	78.8	80.4	„	0.0					
9 „	.817	.964	78.6	76.0	2.6	75.0	.89	78.7	80.3	„	0.0					
10 „	.813	.953	78.7	76.2	2.5	75.2	.90	78.4	80.2	W b N	0.0					
11 „	.806	.992	77.6	74.7	2.9	73.5	.88	77.3	80.0	WNW	0.0					
Sept 15th-Midnight	.798	.989	77.0	74.4	2.6	73.3	.89	77.0	80.0	WNW	0.0					
1 a. m.	.782	.972	77.0	74.4	2.6	73.3	.89	77.4	80.0	„	0.0					
2 „	.769	.937	77.0	75.0	2.0	74.2	.91	77.4	79.9	NW b W	0.0					
3 „	.771	.959	76.0	74.2	1.8	73.4	.92	76.6	79.8	„	0.0	0.01				
4 „	.771	.930	76.2	75.0	1.2	74.5	.95	76.9	79.7	WNW	0.0					
5 „	.791	.918	76.8	76.0	0.8	75.7	.96	76.9	79.6	NW	0.2					
6 „	.804	.950	76.4	75.4	1.0	75.0	.96	76.7	79.5	NE b E	0.1					
7 „	.824	.931	78.5	77.0	1.5	76.5	.93	78.4	79.6	ENE	0·2					
8 „	.844	.927	80.0	78.0	2.0	77.2	.92	79.8	79.7	ESE	0.2					
9 „	.853	.949	81.2	78.0	3.2	76.8	.87	80.7	80.0	„	0.2					
10 „	.857	.952	83.0	78.5	4.5	75.8	.82	81·7	80.2	SE b S	0·1					
11 „	.839	.960	82.7	77.8	4.9	75.9	.81	81.4	80.3	„	0·1					
Noon.	.813	.929	83.4	78.1	5.3	76.4	.79	81.9	80.4	SW	0·1					
1 p. m.	.790	.924	84.6	78.0	6.6	75.7	.75	82.4	80.6	W b S	0.1					
2 „	.767	.893	85.0	78.3	6.7	75.7	.75	83.0	807.	W	0·2					
3 „	.753	.899	85.0	77.8	7.2	75.0	.73	83.1	80.8	WNW	0.2					
4 „	.753	.861	85.3	78.8	6.5	76.4	.75	83.4	80.9	W b N	0.1					
5 „	.762	.951	83.2	76.2	7.0	73.4	.73	81.8	81.0	W b S	0.1					
6 „	.771	.946	81.2	76.0	5.2	73.9	.79	80.4	80.8	W b N	0.1					
7 „	.777	.951	80.3	75.8	4.5	74.0	.82	80.0	80.7	„	0·2					
8 „	.785	.934	79.8	76.3	3.5	74.9	.86	79.8	80.6	WNW	0·0					
9 „	.801	.927	79.5	76.8	2.7	75.7	.89	79.3	80.5	NW b W	0.0					
10 „	.797	.946	78.8	76.0	2.8	74.9	.88	78.8	80.5	„	0.0					
11 „	.791	.942	79.0	76.0	3.0	74.8	.88	78.9	80.5	W b N	0.0					
Sept 16th-Midnight	.779	.957	78.8	75.2	3.6	73.7	.85	78.7	80.5	NW b W	0.1					
1 a. m.	.768	.956	78.2	74.8	3.4	73.4	.86	78.3	80.4	W	0.1					
2 „	.755	.952	77.6	74.4	3.2	73.1	.87	77.8	80.3	WNW	0.1					
3 „	.754	.940	77.2	74.4	2.6	73.5	.89	77.4	80.2	„	0.1					
4 „	.760	.944	76.8	74.5	2.3	73.6	.91	77.2	80.0	„	0.0					
5 „	.784	.921	77.0	75.8	1.2	75.3	.95	77.4	79.9	„	0.4					
6 „	.795	.984	75.8	74.1	1.7	73.4	.93	76.4	79.6	ENE	0.4					
7 „	.813	.006	75.8	74.0	1.8	73.2	.92	76.4	79.6	E b N	0.3					
8 „	.838	.988	78.2	75.8	2.4	74.8	.90	78.0	79.7	„	0.2					
9 „	.840	.899	81.6	79.0	2.6	78.0	.89	80.7	79.9	„	0.1					
10 „	.837	.928	82.7	78.5	4.2	7.69	.83	81.9	80.1	„	0.1					
11 „	.817	.918	82.4	78.2	4.2	76.6	.83	81.4	80.3	E	0.1					
Noon.	.792	.943	83.7	77.3	6.4	74.8	.76	81.9	80.5	SW b W	0.1					
1 p. m.	.771	.865	84.8	79.0	5.8	76.8	.78	83.0	80.6	WSW	0.2					
2 „	.749	.841	85.4	79.2	6.2	76.9	.77	83.3	80.7	„	0.2					
3 „	.740	.828	85.8	79.4	6.4	77.1	.76	83.9	81.0	W b N	0.2					
4 „	.742	.884	85.4	78.0	7.4	75.1	.72	83.5	81.1	„	0.2					
5 „	.752	.875	83.6	78.0	5.6	75.8	.78	82.2	81.1	„	0.1					
6 „	.759	.938	81.5	76.0	5.5	73.8	.78	81.0	81.0	„	0.1					
7 „	.773	.939	80.4	76.0	4.4	74.3	.82	80.0	80.9	„	0.1					
8 „	.793	.955	80.0	76.0	4.0	74.4	.84	79.7	80.8	NW b W	0.0					
9 „	.811	.930	79.6	77.0	2.6	76.0	.89	79.3	80.8	„	0.2					
10 „	.811	.967	79.1	75.9	3.2	74.6	.87	79.0	80.7	NW	0.1					
11 „	.797	.963	78.6	75.5	3.1	74.3	.87	78.5	80.5	„	0.1					

Less than one cent. — None. — None. — None. — None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ≋ nimbi.	
8	R	Overcast; no rain.	
7	L	Clouded with ≋, ≋, and ∿.	
4	L	"	
6	L	≋ and ≋ scattered about, both moving NE.	
2	L	≋ and ≋ scattered about hor.	
2	C	"	
5	C	≋ around hor.; ≋ scattered about, moving ENE.	
1	C	A few masses of ≋ and ≋ above W hor.	
2	C	≋ scattered around hor., moving ENE.	
5	R	≋ scattered about, moving ENE.	
4	R	≋ in E hem., moving ENE.	
2	R	≋ scattered about hor.	
4	R	Masses of ≋ scattered about, moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°5. Daily fall of rain by Osler's gauge 0.01in.
4	L	"	
6	L	≋ scattered throughout, moving NE; a shower of rain at 2h. 19m. which lasted 3m.	
4	L	≋ scattered about hor. and in S and SW, moving E.	
7	L	Densely clouded mith ≋.	
6	C	≋ scattered about; a few ∿ above NE hor.	
4	C	≋ scattered about, moving ESE; a few ∿ in E.	
4	C	≋ scattered about, moving SE; a few ∿ in E.	
3	C	≋ scattered around hor., a few ≋ in SE.	
3	R	"	
4	R	≋ scattered about, moving SE; ∿ in W.	
6	R	≋ scattered throughout, moving SE.	
5	R	≋ scattered about hor. and in SE.	
2	L	≋ and ≋ scattered about hor., moving N.	
2	L	≋ and ≋ scattered about hor.	
2	L	≋ around hor.; ∿ above NE and E hor.	
2	L	≋ scattered about, moving NE; a few ∿ in E.	
2	C	≋ and ≋ scattered around hor.	
8	C	≋ and ≋ scattered throughout, moving NE.	
8	C	Overcast with ≋, moving ENE.	
8	C	"	
5	R	≋ scattered about, moving ENE.	
5	R	"	
5	R	≋ scattered about, moving NE.	
5	R	≋ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°5.
3	L	≋ scattered about, moving N.	
3	L	≋ scattered about, moving NE.	
2	L	≋ scattered around hor.	
3	L	Masses of ≋ scattered about, moving E.	
8	C	Overcast with ≋, moving NE.	
8	C	Overcast with ≋, moving N; drizzling rain between 6h. 50m and 6h. 58m. a rainbow visible in W.	
8	C	Overcast; no rain.	
4	C	≋ scattered about hor., moving N.	
4	R	≋ scattered about, moving N.	
5	R	" "	
5	R	" "	
4	R	≋ scattered about; ∿ in W and N of zth.	
2	L	≋ scattered around hor.	
2	L	"	
4	L	light ≋ scattered about, moving E.	
5	L	" "	
5	C	" "	
5	C	" "	
2	C	≋ scattered about hor., moving ESE.	
2	C	" "	
2	R	" "	
4	R	≋ scattered about, moving SE.	
4	R	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 17th-Midnight	29.789	28.926	77°7	76°0	1°7	75°3	0.93	77°9	80°5	NW	0.1					
1 a. m.	.783	.918	77.5	76.0	1.5	75.4	.94	77.8	80.5	N b E	0.1					
2 „	.767	.906	77.2	75.8	1.4	74.9	.94	77.5	80.4	„	0.0					
3 „	.760	.899	77.2	75.8	1.4	75.2	.94	77.6	80.3	„	0.0					
4 „	.758	.876	77.4	76.4	1.0	76.0	.96	77.8	80.1	„	0.1	0.02				
5 „	.772	.904	76.5	75.8	0.7	75.5	.97	77.0	79.9	NNE	0·0	0.08				
6 „	.788	.912	76.5	76.0	0.5	75.8	.98	77.0	79.9	NE b N	0.0					
7 „	.810	.910	78.3	77.1	1.2	76.6	.95	78.4	80.0	„	0.0					
8 „	.819	.868	80.0	78.8	1.2	78.4	.95	80.0	80.2	„	0·0					
9 „	.831	.865	82.4	79.8	2.6	78.9	.89	81.7	80.4	„	0·1					
10 „	.829	.965	81.9	77.2	4.7	75.4	.81	81.2	80.5	ENE	0·1					
11 „	.827	.940	82.7	78.0	4.7	76.2	.82	81.7	80.6	W b S	0.1					
Noon.	.799	.917	83.2	78.0	5.2	76.0	.80	82.0	80.7	W b N	0.4		None.	None.	None.	None.
1 p. m.	.774	.882	83.8	78.4	5.4	76.4	.79	83.0	80.8	NW	0.4					
2 „	.749	.856	83.3	78.3	5.0	76.4	.81	82.2	81.0	„	0.2					
3 „	.741	.851	83.2	78.2	5.0	76.3	.81	81.9	81.0	„	0.3					
4 „	.744	.866	82.8	77.8	5.0	75.9	.81	81.8	81.0	NW b W	0·3					
5 „	.749	.893	81.5	76.9	4.6	75.1	.82	81.0	81.0	NW	0.2					
6 „	.764	.926	80.4	76.0	4.4	74.4	.82	80.0	80.9	„	0·2					
7 „	.785	.952	79.7	75.8	3.9	74.2	.84	79.8	80.7	NW b N	0·2					
8 „	.802	.979	79.6	75.5	4.1	73.8	.83	79.5	80.7	„	0.0					
9 „	.814	.965	79.8	76.2	3.6	74.8	.85	79.8	80.6	„	0.2					
10 „	.816	.937	79.8	77.0	2.8	75.9	.88	79.7	80.5	NNW	0·0					
11 „	.814	.967	79.2	76.0	3.2	74.7	.87	79.0	80.5	N	0.0					
Sept 19th-Midnight	.813	.942	77.7	76.2	1.5	75.6	.94	77.9	80.2	NNW	0.0					
1 a. m.	.805	.937	77.3	76.0	1.3	75.5	.94	77.6	80.2	„	0.0					
2 „	.794	.943	77.0	75.5	1.5	74.9	.94	77.1	80.1	„	0.0					
3 „	.788	.943	77.6	75.5	2.1	74.7	.91	77.7	80.0	NW b N	0·0					
4 „	.777	.933	77.6	76.0	1.6	75.4	.93	77.7	80.0	„	0.0					
5 „	.817	.946	77.0	76.0	1.0	75.6	.96	77.0	79.8	„	0.0					
6 „	.835	.947	77.6	76.6	1.0	76.2	.96	77.8	79.8	N	0.0					
7 „	.863	.957	77.4	77.0	0.4	76.8	.98	77.5	79.8	NNW	0.0	0.05				
8 „	.884	.994	76.7	76.4	0.3	76.3	.99	77.0	79.7	N b W	0.0	0.37				
9 „	.890	.972	78.8	77.7	1.1	77.3	.95	79.0	79.9	NW	0.0					
10 „	.883	.936	81.1	79.0	2.1	78.2	.91	80.3	80.0	W	0.2					
11 „	.867	.971	81.5	77.9	3.6	76.5	.86	80.3	80.2	NW b W	0.3		None.	None.	None.	None.
Noon.	.848	.931	82.7	78.7	4.0	77.2	.84	81.5	80.3	NW	0.8					
1 p. m.	.824	.906	83.0	78.8	4.2	77.3	.84	82.4	80.4	NNW	0.4		None.	None.	None.	None.
2 „	.805	.905	83.5	78.5	5.0	76.6	.81	82.4	80.6	„	0.5					
3 „	.782	.895	83.5	78.2	5.3	76.2	.79	82.1	80.7	„	0.5					
4 „	.792	.928	83.3	77.6	5.7	75.4	.78	82.0	80.8	NW b N	0.4					
5 „	.803	.906	81.8	78.0	3.8	76.5	.85	81.1	80.9	NNW	0.2					
6 „	.825	.939	81.0	77.5	3.5	76.1	.86	80.6	80.9	N b W	0.1					
7 „	.835	.962	80.4	77.0	3.4	75.7	.86	80.1	80.8	„	0.0					
8 „	.843	.966	80.0	77.0	3.0	75.8	.88	80.0	80.7	NW b N	0.2					
9 „	.875	29.021	79.9	76.4	3.5	75.0	.86	79·7	80.6	N b W	0.1					
10 „	.869	28.970	78.7	77.2	1.5	76.6	.94	78.5	80.5	N b E	0.0					
11 „	.865	.997	78.3	76.3	2.0	75.5	.92	78.3	80.5	„	0.0					
Sept 20th-Midnight	.850	.976	77.5	76.2	1.3	75.7	.94	78.0	80.4	N b E	0.0					
1 a. m.	.840	.961	78.0	76.5	1.5	75.9	.94	78.2	80.4	„	0.0					
2 „	.832	.969	77.7	76.0	1.7	75.3	.93	78.0	80.3	„	0.0					
3 „	.828	.952	77.9	76.4	1.5	75.8	.94	78.1	80.3	„	0.0					
4 „	.828	.917	78.4	77.4	1.0	77.0	.96	78.5	80.3	NNE	0.0					
5 „	.844	.931	78.2	77.4	0.8	77.1	.96	78.4	80.3	„	0.0					
6 „	.864	.951	78.2	77.4	0.8	77.1	.96	78.4	80.3	„	0.0					
7 „	.885	.990	78.4	77.0	1.4	76.5	.94	78.6	80.2	ENE	0·1					
8 „	.906	29.018	79.0	77.0	2.0	76.2	.92	79.0	80.2	WSW	0.1					
9 „	.909	.035	79.2	76.7	2.5	75.7	.90	79.0	80.3	NW b N	0.4					
10 „	.919	.023	78.3	77.0	1.3	76.5	.94	78.0	80.3	„	0.1					
11 „	.910	28.969	81.6	79.0	2.6	78.0	.89	81.1	80.4	WNW	0.1					

Less than one cent.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
6	R	≀≀ scattered about, moving S.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°4. Daily fall of rain by Osler's gauge 0.15in.
4	L	Light ≀≀ scattered about, moving SE.	
4	L	" "	
7	L	≀≀ scattered throughout; rain fell from 3h. 45m. to 3h. 56m.	
8	L	≀≀ scattered throughout, moving E; light rain from 4h. 22m. to 4h. 43m.	
8	C	Overcast; no rain.	
7	C	≀≀ and ≀≀ scattered throughout.	
6	C	"	
4	C	≀≀ and ≀≀ scattered about.	
7	R	Light ≀≀ scattered throughout, moving ESE.	
8	R	Overcast with ≀≀, moving E.	
7	R	Densely clouded with ≀≀, moving ENE.	
8	R	" "	
8	L	∩ around hor.; ≀≀ scattered throughout, moving E.	
6	L	∩ and ≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
6	L	" "	
7	L	Clouded as at 3 P. M.	
7	C	"	
7	C	"	
7	C	"	
6	C	≀≀ scattered about, moving ESE.	
8	C	Overcast with ≀≀.	
8	C	"	
8	C	"	
8	L	≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. Daily fall of rain by Osler's gauge 0.44in.
8	C	≀≀ about hor.; ≀ scattered around zth.	
7	C	≀≀ around hor.; ≀ and ≀≀ scattered about.	
7	C	≀≀ scattered about hor.	
6	C	≀≀ around hor.; ≀≀ scattered about.	
6	R	Overcast with ≀≀, moving ESE; light rain from 5h. 44m. to 5h. 58m.	
7	R	Overcast; rain commenced at 6h. 3m.	
7	R	Overcast; raining.	
7	R	Overcast; rain ceased at 8h. 26m.	
8	L	Overcast; no rain.	
8	L	≀≀ scattered throughout, moving ESE.	
8	L	≀≀ scattered about, moving SE.	
8	L	Densely clouded with ≀≀, moving ESE.	
7	C	≀≀ and ≀ scattered throughout, former moving ESE.	
6	C	≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
7	C	≀≀, ≀≀, and ≀ scattered about hor.	
8	C	≀≀ and ≀ scattered throughout, former moving SE.	
7	R	Overcast with ≀≀ and ≀≀, both moving ESE; ≀ in W hor.	
8	R	Overcast; a few drops of rain at 6h. 23m.; lightning in E hor. observed at 6h. 30m.	
8	R	Overcast; drops of rain now and then.	
2	R	" "	
1	R	Overcast; light drops of rain now and then.	
3	R	" "	
3	R	" "	
8	R	Overcast with ≀≀, moving ESE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. On the 20th at 10 A. M. the height of standard barometer was 29.919 greatest during the month, and about 0.079in. greater than the normal mean.
8	B	Overcast with ≀≀, moving S.	
8	B	" "	
8	B	" "	
7	B	Nearly overcast with ≀≀, moving SSE.	
8	C	Overcast with ≀≀, moving SSE.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀, moving ESE.	
8	R	Overcast with ≀≀, moving S.	
8	R	≀≀ scattered throughout; drizzling rain from 10h. to 10h. 30m.	
7	R	Densely clouded with ≀≀, moving SW.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 20th–Noon.	29.872	28.914	83°2	79°8	3°4	78°6	0.86	82°4	80°5	WNW	0.1					
1 p. m.	.837	.911	83.0	79.0	4.0	79.5	.84	82.1	80.7	NW b W	0.5					
2 „	.813	.880	81.6	78.8	2.8	77.8	.89	81.2	80·7	NW b N	0.4					
3 „	.793	.843	82.8	79.5	3.3	78.3	.87	81.7	80.9	WNW	0.4					
4 „	.793	.898	82.0	78.0	4.0	76.5	.84	81.0	81.0	NW b W	0·8					
5 „	.814	.925	80.8	77.5	3.3	76.3	.87	80.6	80.9	NW	0·5					
6 „	.833	.925	80.8	78.0	2.8	76.9	.89	80.6	80.8	NW b N	0.6					
7 „	.847	.949	80.6	77.7	2.9	76.6	.88	80.4	80.8	„	0.5					
8 „	.865	.974	80.2	77.4	2.8	76.3	.89	80.0	80.3	N	0.2					
9 „	.879	29.002	79.0	76.7	2.3	75.8	.90	79.0	80.6	N b E	0.1					
10 „	.865	28.976	78.9	77.0	1.9	76.3	.92	78.9	80.7	„	0.0					
11 „	.852	.962	78.8	77.0	1.8	76.6	.92	78.7	80.6	„	0.0					
Sept 21st–Midnight	.842	.940	78.5	77.2	1.3	76.7	.95	78.6	80.5	N b E	0.0					
1 a. m.	.822	.915	78.4	77.3	1.1	76.9	.95	78.6	80.5	„	0·0					
2 „	.803	.898	78.2	77.2	1.0	76.8	.96	78.5	80.5	„	0.0					
3 „	.789	.887	78.1	77.1	1.0	76.7	.96	78.3	80.5	„	0.0					
4 „	.795	.904	78.0	76.8	1.2	76.3	.95	78.1	80.4	„	0.0					
5 „	.813	.914	78.0	77.0	1.0	76.6	.96	78.0	80.4	„	0.0					
6 „	.833	.932	77.8	77.0	0.8	76.7	.96	78.0	80.3	„	0.0					
7 „	.863	.931	78.6	78.0	0.6	77.7	.97	78.7	80.3	N b W	0.0					
8 „	.884	.926	80.8	79.2	1.6	78.6	.93	80.6	80.5	N b E	0.0					
9 „	.891	.888	83.0	80.8	2.2	80.1	.91	82.1	80.6	NE b E	0.0					
10 „	.888	.916	82.6	80.0	2.6	79.1	.90	82.0	80.7	NNW	0·2					
11 „	.873	.907	83.9	80.2	3.7	78.9	.85	83.1	81.0	„	0·3					
Noon.	.840	.901	83.8	79.5	4.3	78.0	.83	83.0	81.0	„	0.1					
1 p. m.	.797	.815	85.6	81.0	4.6	79.4	.82	84.8	81.3	NW	0.5					
2 „	.776	.830	85.0	80.0	5.0	78.2	.81	83.7	81.5	„	0.6					
3 „	.758	.802	82.6	79.6	3.0	78.5	.88	82.0	81.4	„	0.5		+	12	10	0.15
4 „	.786	.839	81.8	79.2	2.6	78.2	.89	81.4	81.4	„	0.4		+	10	8	0·20
5 „	.810	.862	81.0	79.0	2.0	78.3	.92	80.8	81.4	NW b N	0·2					
6 „	.832	.880	80.6	79.0	1.6	78.4	.93	80.4	81.3	N	0.2					
7 „	.831	.954	78.6	76.6	2.0	75.8	.92	78.8	81.1	NE b N	0.1					
8 „	.839	.975	77.6	76.0	1.6	75.4	.93	78.0	80.9	NE b E	0.1					
9 „	.857	.979	77.4	76.3	1.1	75.9	.95	77.7	80.9	„	0.0					
10 „	.848	.987	77.2	75.8	1.4	75.2	.94	77.2	80.6	N b E	0.1	0.01				
11 „	.838	.979	77.1	75.7	1.4	75.2	.94	77.2	80.5	„	0·2					
Sept 22nd–Midnight	.824	.953	77.0	76.0	1.0	75.6	.96	77.5	80.5	N b E	0.0					
1 a. m.	.814	.943	77.0	76 0	1.0	75.6	.96	77.6	80.5	„	0.0					
2 „	.806	.929	77.2	76.2	1.0	75.8	.96	77.5	80.5	„	0.0					
3 „	.802	.933	77.2	76.0	1.2	75.5	.95	77.4	80.4	„	0.0					
4 „	.810	.918	78.6	77.0	1.6	76.4	.93	78.8	80.3	„	0.0					
5 „	.812	.910	77.7	77.0	0.7	76.7	.97	78.0	80.2	NE b N	0.0					
6 „	.821	.922	78.0	77.0	1.0	76.6	.96	78.0	80.3	„	0.0					
7 „	.860	.936	78.6	77.8	0.8	77.5	.97	78.8	80.2	„	0·0					
8 „	.879	.987	79.4	77.2	2.2	76.4	.91	79.5	80.3	„	0.1					
9 „	.873	.931	80.4	78.7	1.7	78.1	.93	80.5	80.5	„	0.0					
10 „	.864	.887	82.2	80.0	2.2	79.2	.91	81.5	80.6	NNE	0.0					
11 „	.853	.878	82.0	79.9	2.1	79.2	.91	81.5	80.7	„	0.1		+	2		Instantly.
Noon.	.829	.817	82.9	81.0	1.9	80.3	.92	82.5	80.8	NW b N	0.1					
1 p. m.	.790	.810	84.2	80.6	3.6	79.3	.86	83.3	81.0	„	0.1					
2 „	.771	.769	85.4	81.4	4.0	80.0	.84	84.5	81.3	„	0.2					
3 „	.766	.776	83.7	80.7	3.0	79.6	.88	83.0	81.5	„	0·2					
4 „	.761	.789	82.6	80.0	2.6	79.1	.90	82.0	81.5	„	0.1		—	Out of Sc.	33	Instantly.
5 „	.782	.797	82.2	80.2	2.0	79.5	.92	81.2	81.7	NW	0.1	0.02	—	Out of Sc.	Out of Sc.	Instantly.
6 „	.810	.947	77.0	75.8	1.2	75.4	.95	76.2	81.6	N b E	0.1	0.70	—	Out of Sc.	Out of Sc.	Instantly.
7 „	.825	.982	76.0	75.0	1.0	74.6	.96	76.6	81.0	„	0·2					
8 „	.834	.981	75.8	75.2	0.6	75.0	.97	76.3	80.7	„	0.1					
9 „	.863	29.020	76.0	75.0	1.0	74.6	.96	76.4	80.6	„	0.0					
10 „	.844	28.999	75.8	75.0	0.8	74.7	.96	76.3	80.5	„	0.0					
11 „	.805	.969	75.6	74.7	0.9	74.3	.96	75.9	80.2	„	0·0		+	1		Instantly.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
7	R	Densely clouded with ⌒, moving S.	
8	L	Overcast with ⌒, moving SE.	
8	L	" "	
5	L	⌒ and ⌒ scattered throughout, former moving SE.	
8	L	Overcast with ⌒ and ⌒, former moving SE.	
6	C	" "	
8	C	Overcast; lightning in E hor. after 6h. 19m.	
8	C	Overcast; lightning in ESE hor. every 2m.	
8	C	Overcast; no lightning visible.	
8	R	Overcast; a few stars dimly visible.	
8	R	" "	
8	R	" "	
7	R	Densely clouded with ⌒, moving SE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. Daily fall of rain by Osler's gauge 0.01in.
7	B	Clouded as at midnight.	
6	B	"	
5	B	⌒ around hor.; ⌒ scattered about.	
6	B	⌒ and ⌒ scattered throughout, both moving SSE.	
6	C	⌒ around hor.; ⌒ scattered about, moving SSE.	
6	C	" " "	
7	C	" " "	
7	C	Densely clouded with ⌒ and ⌒, moving S.	
7	R	⌒ scattered throughout, moving S.	
7	R	" "	
6	R	⌒ scattered throughout, moving ESE.	
7	R	⌒ scattered throughout; a few ⌒ in S.	
6	L	⌒ along E hor.; ⌒ and ⌒ scattered throughout, former moving SE.	
7	L	Clouded as at 1 P. M.	
8	L	Overcast; drops of rain now and then.	
8	L	Clouded as at 4 P. M., drops of rain now and then.	
8	C	Overcast; a rainbow visible in E.	
8	C	Overcast; drops of rain now and then; a rainbow with its refracted image in E.	
8	C	Overcast; light drops of rain now and then.	
8	C	" "	
8	R	" "	
8	R	Overcast with ⌒, moving SE.	
8	R	" "	
8	R	Overcast with ⌒, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. Daily fall of rain by Osler's gauge 0.81in.
8	B	" "	
8	B	" "	
8	C	" "	
7	C	Overcast with ⌒, moving ESE.	
7	R	" "	
8	R	" "	
8	B	" "	
8	B	Overcast with ⌒, moving SE.	
8	C	" "	
8	C	" "	
8	R	Overcast, drops of rain between 11h. and 11h. 7m.	
8	R	Overcast; no rain.	
4	B	⌒ and ⌒ scattered about.	
5	B	⌒ and ⌒ scattered about, thunder in E heard at 2h. 27m.	
8	C	⌒ and ⌒ scattered throughout; thunder in E every 2m. light drops of rain now and then after 3h. 39m.	
8	C	Overcast; continuous thunder in E; drops of rain now and then.	
8	R	Overcast with ⌒, moving SE, thunder in NE; raining lightly.	
8	R	Overcast; thunder in E; sheet lightning about 2th. rain ceased at 6h. 55m.	
8	L	Overcast; sheet lightning in S and SW every 1m. and 20s.; drops of rain falling.	
8	L	Overcast; sheet lightning in S, SW, and W at intervals of 35s.; thunder in SW.	
8	C	Overcast; lightning in W hor. at intervals of 40s.	
8	C	Overcast; lightning in NW hor. at intervals of 60s.	
8	R	" " "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 23rd-Midnight	29.778	28.957	75°2	74°2	1°0	73°8	0.96	75°8	80°0	N b E	0.0					
1 a. m.	.764	.937	75·4	74.4	1.0	74.0	.96	76.0	79.9	„	0.0					
2 „	.749	.909	75·6	74.8	0.8	74.5	.96	76.0	79.8	N	0.0					
3 „	.740	.927	75.3	74.0	1.3	73.5	.94	75.6	79.6	„	0.2					
4 „	.743	.930	75.3	74.0	1.3	73.5	.94	75.5	79.6	„	0.1					
5 „	.765	.934	75.0	74.4	0.6	74.1	.96	75.5	79.5	„	0.1					
6 „	.781	.963	75.2	74.1	1.1	73.6	.95	75.9	79.5	„	0.1					
7 „	.813	.947	76.4	75.7	0.7	75.4	.97	76.9	79.5	„	0.0					
8 „	.818	.934	79.4	77.0	2.4	76.1	.90	79.0	79.6	„	0.0					
9 „	.814	.909	81.8	78.2	3.6	76.8	.86	80.8	79.7	„	0.1					
10 „	.808	.911	81.8	78.0	3.8	76.5	.85	80.7	80.0	NNE	0.0					
11 „	.803	.911	83.0	78.2	4.8	76.4	.81	81.5	80.2	„	0.1					
Noon.	.786	.871	84.0	79.0	5.0	77.2	.81	82.1	80.3	WNW	0.2					
1 p. m.	.752	.799	85.6	80.3	5.3	78.4	.80	83.5	80.5	NW b N	0.1					
2 „	.731	.838	85.6	78.9	6.7	76.4	.75	83.9	80.7	WSW	0.1					
3 „	.718	.850	86.4	78.5	7.9	75.5	.71	83.9	81.0	W b S	0.1					
4 „	.719	.830	84.5	78.5	6.0	76.3	.77	83.0	81.0	WSW	0.1					
5 „	.732	.839	82.2	78.0	4.2	76.4	.83	81.5	81.0	„	0.1					
6 „	.754	.857	81.9	78.0	3.9	76.5	.85	81.0	80.9	S	0.1		+	2		0.02
7 „	.779	.887	80.8	77.6	3.2	76.4	.87	80.5	80.9	„	0.0					
8 „	.780	.885	80.2	77.5	2.7	76.5	.89	80.0	80.9	„	0.0					
9 „	.787	.879	79.7	77.7	2.0	76.9	.92	79.7	80.9	„	0.0					
10 „	.795	.877	79.5	77.9	1.6	77.3	.93	79.3	81.0	„	0.0					
11 „	.785	.822	80.4	79.2	1.2	78.8	.95	80.0	81.0	„	0.0					
Sept 24th-Midnight	.759	.823	79·8	78.4	1.4	77.9	.94	79.6	80.8	S b E	0.0					
1 a. m.	.738	.851	79.1	77.0	2.1	76.2	.91	79.2	80.7	„	0.0					
2 „	.729	.813	78.6	77.6	1.0	77.2	.96	78.8	80.7	„	0.0					
3 „	.743	.838	78.2	77.2	1.0	76.8	.95	78.3	80.7	„	0.0					
4 „	.742	.837	78.2	77.2	1.0	76.8	.96	78.4	80.7	„	0.0					
5 „	.765	.858	78.0	77.2	0.8	76.9	.96	78.2	80.6	„	0.0					
6 „	.787	.863	78.4	77.8	0.6	77.5	.97	78.7	80.6	„	0.1					
7 „	.814	.822	80.4	79.9	0.5	79.7	.98	80.2	80.7	„	0.1					
8 „	.833	.847	81.4	80.0	1.4	79.5	.94	81.0	80.8	SSE	0.1					
9 „	.835	.830	82.8	80.8	2.0	80.1	.92	81.9	81.0	„	0.1					
10 „	.834	.810	83.9	81.5	2.4	80.7	.90	82.9	81.1	„	0.1					
11 „	.813	.815	84.2	81.0	3.2	79.9	.87	83.1	81.3	„	0.1	None.	None.	None.	None.	None.
Noon.	.791	.790	85.5	81.4	4.1	80.0	.84	84.0	81.5	W	0.1					
1 p. m.	.771	.768	86.2	81.6	4.6	80.1	.82	84.8	81.7	„	0.2					
2 „	.748	.766	86.8	81.3	5.5	79.4	.79	85.0	82.0	„	0.2					
3 „	.733	.742	87.6	81.7	5.9	79.7	.78	85.5	82.1	„	0.2					
4 „	.731	.775	87.6	80.9	6.7	78.5	.75	85.2	82.3	W b S	0.1					
5 „	.729	.774	85.8	80.4	5.4	78.5	.81	84.1	82.3	W	0.2					
6 „	.767	.830	84.0	79.5	4.5	77.9	.82	83.1	82.3	W b N	0.1					
7 „	.798	.866	83.2	79.2	4.0	77.7	.84	82.3	82.2	WNW	0.1					
8 „	.811	.875	82.8	79.2	3.6	77.9	.86	82.1	82.2	W	0.1					
9 „	.828	.884	82.1	79.2	2.9	78.1	.88	81.8	82.2	NW	0.0					
10 „	.827	.873	81.2	79.2	2.0	78.5	.92	81.1	82.0	„	0.0					
11 „	.824	.856	81.1	79.5	1.6	78.9	.93	80.9	81.9	„	0.0					
Sept 26th-Midnight	.829	.873	81.0	79.2	1.8	78.5	.93	80.9	82.3	N b E	0.0					
1 a. m.	.822	.869	80.5	79.0	1.5	78.4	.94	80.6	82.3	„	0.0					
2 „	.806	.855	80.0	78.8	1.2	78.4	.95	80.1	82.2	„	0.0					
3 „	.805	.841	80.4	79.2	1.2	78.8	.95	80.5	82.1	„	0.0					
4 „	.811	.858	80.1	78.7	1.4	78.4	.94	80.3	82.1	„	0.0					
5 „	.823	.896	79.5	78.1	1.4	77.6	.94	79.6	81.9	„	0.0	None.	None.	None.	None.	None.
6 „	.841	.905	79.4	78.3	1.1	77.9	.95	79.8	81.9	NNE	0.0					
7 „	.871	.879	81.7	80.0	1.7	79.7	.93	81.5	82.0	„	0.0					
8 „	.891	.923	83.0	80.0	3.0	78.9	.88	82.5	82.1	„	0.0					
9 „	.903	.938	83.3	80.0	3.3	78.8	.87	82.8	82.2	NNW	0.2					
10 „	.900	.922	83.7	80.4	3.3	79.3	.87	83.0	82.3	„	0.3					
11 „	.867	.877	84.9	81.0	3.9	79.6	.85	84.3	82.4	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
8	R	Overcast with ≀∩, moving SE; lightning in NW hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. At 5 A. M. the reading of air thermometer was 75°0 smallest in the month, and about 2°0 smaller than the normal mean; the reading of wet bulb thermometer at 3 and 4 A. M. was lowest during the month.
8	B	Overcast.	
3	B	≀∩ scattered about hor.	
2	B	"	
1	B	"	
7	C	≀∩ around hor.; ≀ scattered throughout, former moving SSE.	
7	C	" " "	
6	C	" " "	
5	C	≀∩ around hor.; ≀ and ≀∩ scattered about.	
6	R	≀≀ and ≀ scattered about.	
5	R	"	
4	R	∩ along E hor.; ≀ and ≀≀ scattered about.	
4	R	" "	
1	B	∩ along E hor. and along W hor.	
1	B	∩∪ along E hor.; thunder in E heard at 2h. 38m. and at 2h. 43m.	
4	B	∩∪ along E hor.; dense ≀ and ≀≀ scattered about, moving W; thunder in E occasionaly heard.	
6	B	∩∪ along E hor.; dense ≀ and ≀≀ scattered throughout, moving W; occasional thunder in E.	
8	C	∩∪ along E hor.; dense masses of clouds around hor.; ≀ scattered throughout, *moving W; rainbow in E* observed at 5h.	
8	C	Clouded as at 5 P. M.; rainbow in E; sheet lightning in NE every 5m.; light drops of rain now and then. [41m.	
7	C	Densely clouded; continuous lightning in NE.	
8	C	Overcast with ≀ and ≀∩, both moving WSW; sheet lightning in N, NE, and E every 1½m.	
6	R	Dense ≀ and light ≀≀ scattered about; continuous lightning in NE and E hor.	
8	R	Overcast; continuous lightning in NE and E hor.	
6	R	Dense ≀ and light ≀∩ scattered about; continuous lightning in NE, E, and SE.	
5	R	≀ scattered about; sheet lightning in E and SE hor. in 14s. interval.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°3. The temperature of air at 3 P. M. was 87°6 the highest during the month, and about 3°4 higher than the normal mean.
4	B	Dense ≀ scattered about hor.; sheet lightning in SE and S at intervals of 1m. 12s.	
4	B	" " "	
4	B	≀≀ along E hor.; ≀ scattered around hor.	
4	B	" "	
4	C	Light ≀∩ around hor., moving NW; ≀ and ≀≀ scattered about, latter moving SE.	
4	C	" " " "	
5	C	≀∩ around hor.; ≀ scattered about.	
5	C	"	
3	B	∩∪ along E hor.; ≀ scattered about, moving W.	
3	B	∩ along E hor.; ≀ scattered, moving W.	
3	B	" " "	
2	B	" " "	
3	R	∩ along E hor.; ≀ and ≀≀ scattered, latter moving E.	
2	R	" " "	
4	R	∩ along E hor.; ≀ scattered in E hem.	
6	R	∩ about E hem.; ≀ and ≀≀ scattered throughout, moving E.	
7	B	∩ and ≀∩ around hor.; ≀ scattered throughout, moving W.	
7	B	≀, ≀≀, and light ≀∩ scattered throughout, moving E; lightning in N and NE hor. every 45s.	
8	B	Overcast; lightning in N and NE every 24s.	
8	B	Overcast; lightning in N and NE every 33s.	
7	B	Densely clouded; lightning in N, NE, and E at intervals of 1m. 13s.	
5	B	Dense ≀ scattered throughout; lightning in SE hor. at intervals of 2m. 17s.	
8	B	Overcast except a few breaks about W of 2th.; lightning in SE hor. at intervals, a few minutes before 11 P. M., but at full hour no lightning was visible.	
4	R	∩∪ along S hor.; ≀≀ scattered throughout; lightning in SE and S at intervals of 24s.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°2. Daily fall of rain by Osler's gauge 0.95in.; maximum tension of electricity by Henly's apparatus 14.0; maximum length of spark by Ronald's measure 0.20in.; at noon the temperature of evaporation was 82°0 greatest during the month, and about 3°3 greater than the normal mean.
4	B	∩∪ along S hor.; ≀ and ≀≀ scattered about, lightning in SE and S at intervals of 1m. 44s.	
5	B	Clouded as before; lightning in SW hor. at intervals of 1m. 35s.	
8	B	Overcast with ≀ and ≀≀; lightning in SE, S, and SW hor. at intervals of 1m. 14s.	
8	B	Clouded as before; lightning in SE, S, and SW hor. at intervals of 2h. 12m.	
5	C	≀ and ≀≀ scattered throughout; lightning in S hor. at intervals of 1m 5s.	
4	C	∩ in S, SW, and W hor.; ≀ and ≀≀ scattered about, latter moving SW.	
2	C	∩ and ≀≀ scattered about hor.	
4	C	∩ around hor.; ≀≀ and ≀∩ scattered about, both moving S.	
7	R	∩ around; ≀≀ and ≀∩ scattered throughout, moving S.	
7	R	∩ around hor.; ≀ in W; ≀∩ scattered about, moving SW.	
5	R	∩ and ≀ in hem.; ≀∩ scattered about, moving S; thunder in NE heard after 11h. 45m.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after the charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 26th–Noon.	29.817	28.798	86°3	82°0	4°3	80°6	0.84	85°1	82°5	NNW	0.5					
1 p.m.	.820	.833	84.4	80.8	3.6	79.5	.86	83.5	82.6	„	0.2		+	14	12	0·5
2 „	.830	.949	79.6	77.0	2.6	76.0	.89	79.5	82.5	SSE	0·5	0.02	—	Out of Sc.	Out of Sc.	Instantly.
3 „	.785	.911	76.0	75.8	0.2	75.7	.99	76.3	82.0	E	1 to 5½	1.20		1		Instantly.
4 „	.782	.913	77.2	76.0	1.2	75.5	.95	77.2	81.8	„	0.2	0.01				
5 „	.787	.918	77.2	76.0	1.2	75.5	.95	77.0	81.5	NNE	0.1					
6 „	.805	.951	76.8	75.5	1.3	75.0	.94	77.4	81.3	NE	0.1					
7 „	.819	.948	77.0	76.0	1.0	75.6	.96	77.6	81.2	NE b E	0.1					
8 „	.835	.970	76.8	75.8	1.0	75.4	.96	77.3	81.1	NE b N	0.2					
9 „	.850	.978	76.9	76.0	0.9	75.3	.96	77.5	81.0	„	0.0					
10 „	.836	.958	77.1	76.2	0.9	75.9	.96	77.8	81.0	„	0.0					
11 „	.837	.965	76.9	76.0	0.9	75.6	.96	77.5	80.9	„	0.0					
Sept 27th–Midnight	.823	.968	76.7	75.5	1.2	75.0	.95	77.2	80.9	N b E	0.0					
1 a.m.	.798	.927	77.0	76.0	1.0	75.6	.96	77.5	80.8	„	0.0					
2 „	.785	.910	77.4	76.2	1.2	75.8	.95	77.7	80.7	N	0.0					
3 „	.784	.934	76.8	75.4	1.4	74.9	.94	77.2	80.6	NNE	0.0					
4 „	.784	.934	76.4	75.3	1.1	74.9	.95	77.0	80.6	„	0.0					
5 „	.786	.943	76.0	75.0	1.0	74.6	.96	76.9	80.4	N b E	0.0					
6 „	.813	.949	76.2	75.6	0.6	75.4	.97	76.9	80.3	NE b N	0.0					
7 „	.822	.955	77.4	76.0	1.4	75.5	.94	77.7	80.5	NE b E	0.1					
8 „	.824	.932	79.4	77.2	2.2	76.3	.91	79.2	80.6	ENE	0.1					
9 „	.809	.892	81.5	78.4	3.1	77.2	.87	80.9	80.6	„	0.1					
10 „	.815	.906	82.7	78.5	4.2	76.9	.83	81.7	80.8	NE b N	0.1					
11 „	.807	.866	84.0	79.6	4.4	78.0	.83	82.5	81.0	„	0.1					
Noon.	.782	.825	84.0	80.0	4.0	78.6	.84	82.7	81.1	N b W	0.1					
1 p.m.	.754	.826	84.8	79.5	5.3	77.6	.80	83.4	81.3	NNW	0.4					
2 „	.724	.776	85.6	80.2	5.4	78.3	.79	84.3	81.5	„	0.5					
3 „	.699	.744	85.8	80.4	5.4	78.5	.79	84.3	81.7	„	0·5	Less than one cent.				
4 „	.705	.782	85.6	79.6	6.0	77.4	.77	83.7	81.8	„	0.4					
5 „	.720	.778	82.7	79.3	3.4	78.1	.86	72.0	81.6	„	0.2		—	Out of Sc.	41	Instantly.
6 „	.731	.794	82.0	79.0	3.0	77.9	.88	81.3	81.6	„	0.1		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.751	.807	81.0	78.9	2.1	78.1	.91	80.8	81.6	ENE	0.3					
8 „	.764	.843	79.6	78.0	1.6	77.4	.93	79.9	81.4	E	0.2					
9 „	.758	.868	78.8	77.0	1.8	76.3	.92	79.2	81.4	ESE	0.2					
10 „	.746	.835	78.8	77.5	1.3	77.0	.95	79.2	81.3	„	0.2					
11 „	.740	.855	78.5	76.8	1.7	76.1	.93	78.8	81.2	„	0.1					
Sept 28th–Midnight	.739	.837	78.5	77.2	1.3	76.7	.95	78.8	81.2	ESE	0.1					
1 a.m.	.732	.827	78.2	77.2	1.0	76.8	.96	78.4	81.1	E b S	0.2					
2 „	.703	.810	77.8	76.8	1.0	76.4	.96	78.1	81.0	E	0.0		+	2		0.30
3 „	.694	.836	76.8	75.6	1.2	75.1	.95	77.3	80.9	E b N	0.0					
4 „	.700	.853	77.0	75.4	1.6	74.7	.93	77.4	80.8	„	0·0					
5 „	.719	.865	76.8	75.5	1.3	75.0	.95	77.1	80.6	„	0.0					
6 „	.733	.885	76.9	75.4	1.5	74.8	.94	77.2	80.6	„	0·0					
7 „	.754	.858	78.3	77.0	1.3	76.5	.95	78.5	80.6	„	0.0					
8 „	.759	.839	81.2	78.4	2.8	77.3	.89	80.5	80.7	„	0.1					
9 „	.755	.802	82.5	79.5	3.0	78.4	.88	81.5	81.0	„	0·1					
10 „	.751	.810	83.6	79.5	4.1	78.0	.84	82.5	81.1	„	0.1					
11 „	.737	.828	84.5	79.0	5.5	76.9	.79	83.3	81.3	N W b N	0·2					
Noon.	.720	.803	85.4	79.4	6.0	77.2	.77	83.7	81.4	NNW	0.1					
1 p.m.	.691	.758	86.2	80.0	6.2	77.8	.77	84.5	81.6	NW	0.5					
2 „	.648	.703	86.3	80.3	6.0	78.2	.78	85.0	81.8	„	0.6					
3 „	.639	.697	86.6	80.3	6.3	78.1	.77	85.0	82.0	„	0.6					
4 „	.651	.724	86.0	79.8	6.2	77.6	.77	84.4	82.2	NW b N	0.4					
5 „	.680	.784	83.4	78.4	5.0	76.5	.80	82.7	82.1	NNW	0.2		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.704	.783	82.3	78.7	3.6	77.4	.86	81.5	81.9	N	0.4		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.711	.857	78.5	76.0	2.5	75.0	.90	79.1	81.6	E b N	0·1	0.03	—	Out of Sc.	Out of Sc.	Instantly.
8 „	.738	.827	78.4	77.4	1.0	77.0	.96	78.7	81.5	„	0.5	0.06	—	Out of Sc.	Out of Sc.	Instantly.
9 „	.748	.849	78.0	77.0	1.0	76.6	.96	78.2	81.5	SE b E	0.5	0.02				
10 „	.745	.875	77.8	76.2	1.6	75.6	.93	78.2	81.4	E b N	0.2					
11 „	.741	.906	77.5	75.2	2.3	74.3	.90	78.0	81.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
4	R	⌒≀ and ≀ in W hem.; ≀≀ in E hem., moving S, thunder in NE and E heard every minute.	
7	L	⌒≀ and ≀ in W hor.; ≀≀ scattered throughout, moving SE; continuous lightning and thunder in NE and E; light rain commenced at 1h. 28m.	
8	L	Overcast with ≀ and ≀≀, moving S; lightning and thunder in E hem.; raining very heavily.	
8	L	Overcast with ≀≀, moving W; light drops of rain falling.	
8	L	Overcast with ≀≀, moving N; no rain after 4h. 25m.	
8	C	Overcast with ≀≀, moving SE.	
6	C	⌒≀ in E; ≀ and ≀≀ scattered about; lightning in E hor. every 10s.	
5	C	Clouded as before; lightning in E hor. every 12s.	
5	C	≀ scattered about; lightning in E hor. every 10s.	
7	R	Densely clouded with ≀; lightning in E hor. every 14s.	
8	R	Overcast with ≀; lightning in E hor. at intervals of more than 10m.	
6	R	≀ scattered about; lightning in E and SE hor. at intervals of every 10s.	
8	R	Overcast with dense ≀; lightning in E and ESE hor. every ½m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°3. Maximum tension of electricity by Henly's apparatus 7.0; maximum length of spark by Ronald's measure 0.09in.
7	L	Densely clouded with ≀, moving S; sheet lightning in E hor. at intervals of 50s.	
6	L	Dense ≀ scattered about, moving S; sheet lightning in E hor. at intervals of 1m. 40s.	
4	L	Dense ≀ scattered about hor.; sheet lightning in E, SE, and S hor. every minute.	
6	L	Clouded as before; lightning in E, SE, and S hor. at intervals of 1m.	
5	C	Clouded as before; lightning in E, SE, and S hor. at intervals of 1m. 30s.	
7	C	≀ and ≀≀ scattered throughout, latter moving S.	
6	C	⌒≀ in hor.; ≀ and ≀≀ scattered about, latter moving SSW.	
6	C	" " " "	
6	B	≀ and ≀≀ scattered about, latter moving N.	
5	B	" "	
3	B	≀ and ≀≀ scattered about, except in zth.	
3	B	⌒≀ along E hor.; ≀ and ≀≀ scattered about.	
4	L	⌒≀ along E hor.; ≀ and ≀≀ scattered about, latter moving W. [2h. 45m.	
4	L	⌒≀ in E hem.; ≀ and ≀≀ scattered about, latter moving W; occasional thunder in E after	
3	L	⌒≀ in E hem.; ≀≀ in E; ≀ and ≀≀ scattered about, low rumbling thunder in E often heard.	
6	L	⌒≀ in E hem.; ≀≀ and ≀≀ scattered about, moving W; distant thunder in E continually heard.	
7	C	⌒≀ in E hem.; ≀≀ and ≀ scattered about, former moving W; a rainbow in E observed at 5h. 28m.	
7	C	≀≀ scattered throughout; ⌒≀ above E hor.; lightning in NE; drops of rain falling; lightning in ESE and NW after 6h. 30m.	
8	C	Overcast; lightning in NW at intervals of 1m. 39s.; no rain after 7h. 7m.	
8	C	Overcast with ≀≀, moving WSW; lightning in NW hor. at intervals of 4m.	
8	B	Overcast; lightning in N hor., every minute.	
8	B	Overcast; a few drops of rain at 10h. 2m.; lightning in NE and E hor. at intervals of 1m. 26s.	
8	B	Overcast; lightning in NE and E hor. at intervals of 1m. 16s.	
8	B	Overcast with ≀≀, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°4. Daily fall of rain by Osler's gauge 0.13in.; maximum tension of electricity by Henly's apparatus 22.0; maximum length of spark by Ronald's measure 0.24in.; at 3 P. M. the reading of barometer was 29.639in. smallest in the month, and about 0.127in. smaller than the normal mean.
8	B	≀ and ≀≀ scattered throughout, moving WSW.	
6	L	≀≀ in NE and E; ≀ scattered about.	
4	L	≀ scattered about hor.	
4	L	"	
4	C	≀ scattered about hor.; dew falling.	
5	C	≀≀ in E hor.; ≀ scattered about, dew falling.	
8	C	Overcast with ≀; mist and fog in hor.	
7	C	⌒≀ along E hor.; ≀ scattered about; mist along W hor.	
6	B	⌒≀ in SW, NW, NE, E, and SE hor.; ≀ scattered about; dense vapour above W hor.	
7	B	⌒≀ around hor.; ≀ scattered throughout, moving WNW; vapour about W hor.	
5	B	" " " "	
5	B	⌒≀ around hor.; ≀ scattered throughout, moving W.	
3	L	⌒≀ around hor., except in S; ≀ scattered in E hem.	
2	L	⌒≀ along E hor.; ≀ scattered in S, SW, and W.	
3	L	⌒≀ around hor. and in E hem.; ⌒≀ along W hor.	
6	L	⌒≀ around hor.; ⌒≀ in E hem.; dense ≀ in NE and E; low rumbling thunder in E.	
8	C	⌒≀ around hor.; ≀≀ and ≀ scat.; ⌒≀ above E hor.; sheet light. & thun. in NE after 5h. 10m.; rainbow with reflected image in NE; rain after 5h 57m.	
8	C	Overcast; sheet lightning and thunder in N, NE, and E; raining very lightly.	
8	C	Overcast; raining very lightly; lightning in SE.	
8	C	Overcast; sheet lightning in ESE; rain ceased at 8h. 42m.	
8	B	Overcast with ≀≀, moving WSW; lightning in E hor. every minute; drizzling rain between 9h. 26m. and 9h. 33m.	
8	B	Overcast; lightning in E and S hor. at intervals of 19s.	
8	B	Overcast; lightning in E and S hor. at intervals of 25s.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering some degree of tension after the charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 29th-Midnight	29.741	28.860	78°2	76°6	1°6	76°0	0.93	78°5	81°2	E b N	0.4					
1 a. m.	.729	.855	78.1	76.4	1.7	75.7	.93	78.4	81.1	E b S	0·2					
2 „	.717	.851	78.2	76.2	2.0	75.4	.92	78.5	81.0	„	0·1					
3 „	.706	.848	78.2	76.0	2.2	75.1	.91	78.5	80.9	E b N	0.0					
4 „	.700	.823	78.2	76.5	1.7	75.8	.93	78.5	80.8	„	0·0					
5 „	.699	.828	77.0	76.0	1.0	75.6	.96	77.7	80.6	„	0·0					
6 „	.723	.852	77.0	76.0	1.0	75.6	.96	77.5	80.6	„	0.0					
7 „	.747	.859	79.0	77.0	2.0	76.2	.92	79.0	80.7	ENE	0.2					
8 „	.765	.845	81.2	78.4	2.8	77.3	.89	80.8	80.8	„	0.1					
9 „	.775	.864	82.9	78.6	4.3	77.0	.83	81.7	81.0	„	0.1					
10 „	.769	.879	83.6	78.3	5.3	76.3	.80	82.2	81.1	„	0.1					
11 „	.762	.845	84.6	79.2	5.4	77.2	.79	83.1	81.3	„	0·2					
Noon.	.738	.803	86.0	80.0	6.0	77.8	.77	84.2	81.5	NW b N	0.1					
1 p. m.	.718	.766	86.8	80.6	6.2	78.4	.77	84.9	81.8	WNW	0.2					
2 „	.685	.747	86.5	80.2	6.3	77.9	.77	84.8	82.0	„	0.5					
3 „	.673	.745	86.6	80.0	6.6	77.6	.76	85.0	82.2	NW b W	0·6					
4 „	.673	.734	85.6	80.0	5.6	78.0	.79	84.1	82.3	NW b N	0.6					
5 „	.690	.754	83.6	79.4	4.2	77.9	.84	83.0	82.1	N b W	0·3		—	Out of Sc.	25	0.20
6 „	.729	.879	80.4	76.4	4.0	74.8	.84	80.0	82.0	NE	½ to 4		—	Out of Sc.	50	0.05
7 „	.740	.882	78.2	76.0	2.2	75.1	.91	78.5	81.8	NE b N	0.0					
8 „	.772	.929	77.4	75.4	2.0	74.6	.92	77.9	81.5	NNE	0·0	0.02				
9 „	.775	.877	78.1	77.0	1.1	76.6	.95	78.8	81.4	NE b E	0.0	0.01				
10 „	.764	.903	77.9	76.0	1.9	75.2	.92	78.6	81.4	ENE	0.0					
11 „	.740	.879	77·9	76.0	1.9	75.2	.92	78.4	81.3	„	0.0					
Sept 30th-Midnight	.738	.878	78.0	76.0	2.0	75.2	.92	78.5	81.1	E b N	0.1					
1 a. m.	.739	.849	78.1	76.8	1.3	76.3	.94	78.6	81.1	„	0.1					
2 „	.723	.834	78.2	76.8	1.4	76.3	.94	78.6	81.0	„	0.0					
3 „	.715	.812	78.4	77.2	1.2	76.7	.95	78.8	81.0	„	0·1					
4 „	.697	.809	77.6	76.6	1.0	76.2	.96	78.4	80.9	„	0.0					
5 „	.728	.852	77.6	76.3	1.3	75.8	.94	78.0	80.8	„	0·0					
6 „	.750	.881	77.2	76.0	1.2	75.5	.95	77.5	80.8	NNE	0.2					
7 „	.774	.916	77.4	73.8	1.6	75.1	.93	78.0	80.7	NE b N	0.1					
8 „	.785	.828	80.2	79.0	1.2	78.6	.95	80.1	80.8	E b N	0.1					
9 „	.783	.809	83.2	80.2	3.0	79.1	.88	82.5	81·0	„	0.1					
10 „	.777	.818	83.8	80.0	3.8	78.6	.85	82.7	81.2	SE b E	0.1					
11 „	.772	.817	84.2	80.0	4.2	78.5	.84	83.0	81.3	SW	0.1					
Noon.	.766	.794	85.0	80.6	4.4	79.1	.83	83.9	81.5	„	0.1					
1 p. m.	.741	.774	85.4	80.6	4.8	78.9	.82	84.3	81.8	„	0.2					
2 „	.723	.790	86.2	80.0	6.2	77.8	.77	84.5	82.0	WSW	0.1					
3 „	.705	.748	87.2	80.8	6.4	78.6	.76	85.4	82.2	„	0.1					
4 „	.701	.756	86.2	80.2	6.0	78.2	.77	84.5	82.3	W b S	0.1					
5 „	.706	.758	85.2	80.1	5.1	78.3	.80	84.0	82.2	WNW	0.1		+	3		1.14
6 „	.738	.778	83.0	79.8	3.2	78.7	.87	82.7	82.2	NNW	0.0		+	3		2·24
7 „	.757	.799	82.2	79.7	2.5	78.6	.90	82.0	82.0	N b W	0.0		+	1		3.40
8 „	.780	.862	81.4	78.4	3.0	77.3	.88	81.4	82.0	NNE	0·0		+	10		0.17
9 „	.793	.872	81.1	78.4	2.7	77.4	.89	81.2	82.0	„	0.0		+	8		2.19
10 „	.782	.826	81.0	79.2	1.8	78.5	.92	81.0	82.0	„	0.0		+	1		Above 10m.
11 „	.768	.798	81.0	79.5	1.5	79.0	.94	81.0	81.9	ENE	0.1					
Oct. 1st-Midnight	.760	.809	80.7	79.0	1.7	78.4	.93	80.7	81.9	E	0.1			1		
1 a. m.	.740	.784	80.3	79.0	1.3	78.5	.95	80.3	81.9	„	0.1			1		
2 „	.727	.805	79.5	78.0	1.5	77.4	.94	79.8	81.7	„	0·1					
3 „	.715	.785	79.6	78.2	1.4	77.7	.94	79.9	81.6	„	0.1					
4 „	.722	.796	79.2	78.0	1.2	77.5	.95	79.6	81.6	„	0.1					
5 „	.735	.805	78.8	78.0	0.8	77.7	.96	79.1	81.4	„	0.1					
6 „	.756	.828	79.0	78.0	1.0	77.6	.96	79.4	81.5	„	0.1					
7 „	.776	.803	80.2	79.4	0.8	79.1	.96	80.4	81.5	E b S	0·1					
8 „	.789	.780	82.3	81.0	1.3	80.6	.95	82.0	81.6	„	0.1					
9 „	.792	.824	84.2	80.3	3.9	78.9	.85	83.2	81.8	„	0·1					
10 „	.792	.811	84.1	80.6	3.5	79.4	.86	83.6	82.0	„	0.1					
11 „	.776	.804	85.0	80.5	4.5	79.1	.83	84.1	82.1	ESE	0.1					

Less than one cent. None. None. None. None.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
8	B	Overcast with ≀⌒, moving WSW; lightning in S at intervals of 20s.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°3. Daily fall of rain by Osler's gauge 0.04in.; maximum tension of electricity by Henly's apparatus 7.0; maximum length of spark by Ronald's measure 00.8in.
8	B	Overcast with ≀⌒ and ≀, former moving W; lightning in SW hor. at intervals of 24s.	
8	L	Overcast with ≀⌒ and ≀, former moving SW; lightning in SW hor. every minute.	
8	L	Overcast with ≀⌒ and ≀, former moving W; lightning in SW hor. every minute.	
4	L	Dense ≀ scattered about hor.; lightning in SW hor. at intervals of 1m. 10s.	
6	C	≀ and ≀≀ scattered throughout; lightning in SW at intervals of 1m. 20s.	
5	C	Dense ≀ and ≀≀ scattered throughout, latter moving WSW; mist and fog in hor.	
5	C	≀ and ≀≀ scattered about, latter moving W; mist and fog in hor.	
5	C	≀≀ scattered about, moving WNW; mist and fog around hor.	
3	B	≀ and ≀≀ scattered about hor.; mist along W hor.	
3	B	" "	
2	B	∩ from W to SE hor.; ≀ and ≀≀ about remainder of hor.	
2	B	∩ scattered around hor., except in S; ≀ scattered in E hem.	
3	L	∩ around hor.; ≀ scattered about hor.	
2	L	" "	
3	L	" "	
6	L	∩ and ≀ around hor.; ≀⌒ in E; dense ≀ scattered throughout. [light rain commenced at 5h. 54m.	
8	C	∩ around hor.; ≀⌒ and ≀ scattered throughout, former moving E; rainbow in E; occasional thunder in NE; very	
8	C	Overcast with ≀⌒, moving W; breaks in W; very light rain; lightning in E hor. at intervals of 1m. 20s. after 6h. 38m.	
8	C	Overcast; lightning in NE, E, and SE at intervals of 45s. raining lightly.	
8	C	Overcast; lightning in N and E hor. every half minute; rain ceased at 8h. 38m.	
8	B	Overcast; lightning in NW, N, NE, and SE hor. at intervals of 24s.	
8	B	Overcast; lightning in NW and NE hor. at intervals of 22s.	
8	B	Overcast; lightning in NW and NE at intervals of 14s.	
8	B	Overcast with ≀⌒, moving SW; lightning in NW hor. at intervals of 1m. 10s.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°4.
8	B	Overcast; lightning in W hor. at intervals of 2m. 40s.; light drops of rain after 1h. 22m.	
8	L	Overcast with ≀⌒, moving W; lightning in SW and W hor. at intervals of 50s.	
7	L	≀⌒ and ≀ scattered throughout, former moving W; continuous lightning in W hor.	
5	L	" " "	
5	C	≀⌒ and ≀ scattered about; lightning in W and NW hor. at intervals of 2m. 10s.	
8	C	≀⌒ around hor.; ≀ and ≀≀ scattered throughout, moving W; fog along E hor.	
8	C	Densely clouded with ≀⌒ and ≀≀, moving W; light haze along E hor.	
8	C	Overcast with ≀⌒ and ≀≀, both moving WSW.	
8	B	∩ in S, SW, and W hor.; otherwise clouded with ≀, ≀≀, and ≀⌒.	
7	B	" "	
6	B	∩ along W hor.; ≀ and ≀≀ scattered throughout, former moving W.	
3	B	∩ and ≀≀ scattered about hor.	
2	L		
4	L	"	
5	L	"	
8	B	∩ around hor.; ≀ scattered throughout.	
8	C	∩ around hor.; dense ≀ scattered throughout, moving WNW.	
7	C	∩ around hor.; ≀ scattered throughout, moving W; thunder in ENE heard at 5h. 21m.	
6	C	∩ around hor.; ≀⌒ above ENE and E hor.; ≀ scattered throughout; lightning in NE at intervals of 25s.	
6	C	Dense ≀ scattered about hor.; lightning in NE and SSW at intervals of 14s.	
8	B	≀ and ≀≀ scattered throughout, latter moving W; continuously lightning along E hor.	
8	B	Overcast with ≀ and ≀≀; lightning in NE at intervals of 2h. 17m.	
5	B	Overcast; lightning in NE hor. every minute.	
5	B	≀≀ and ≀ scattered about; lightning along E hor. at intervals of 51s.	
5	B	≀≀ around hor.; ≀ scattered about; lightning in E hor. at intervals of 1m. 40s.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°5. Daily fall of rain by Osler's gauge 0.50in.
5	B	Clouded as before; lightning in E hor. at intervals of 1m. 22s.	
6	B	Clouded with ≀≀ and ≀; lightning in E hor. at intervals of 1m. 12s.	
4	L	Clouded with ≀≀ and ≀; lightning in E hor. every 2m.	
3	L	≀≀ and ≀ scattered about hor.; lightning in E hor. every 2m. 30s.	
5	C	≀ and ≀≀ scattered about hor.; lightning in E hor. every 3m.	
8	C	≀≀ and dense ≀ scattered throughout, both moving WSW.	
8	C	Overcast with dense ≀≀ and ≀, both moving W.	
7	C	≀⌒ in W; ≀ and ≀≀ scattered throughout.	
5	B	∩ around hor.; ≀≀ scattered about, moving NW.	
7	B	∩ around hor.; ≀≀ scattered throughout, moving NW.	
6	B	∩ around hor.; ≀ and ≀≀ scattered about.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in reaching the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 1st-Noon.	29.747	28.815	85°5	79°8	5°7	77°7	0.78	84°4	82°3	W b S	0.1					
1 p. m.	.701	.767	86.8	80.2	6.6	77.8	.76	84.5	82.4	„	0.1					
2 „	.630	.711	88.0	81.3	6.7	79.0	.75	86.5	82.6	„	0.2					
3 „	.651	.703	86.0	80.3	5.7	78.3	.78	84.8	82.7	„	0.2					
4 „	.630	.759	84.2	79.2	5.0	77.5	.81	83.7	82.7	NW b W	0.2		—	Out of Sc.	50	0.05
5 „	.674	.732	83.6	79.5	4.1	78.1	.84	83.3	82.7	„	0.1		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.694	.722	82.6	80.0	2.6	79.1	.89	82.3	82.6	„	0.0	0.05	+	20	20	0.20
7 „	.717	.734	81.6	80.0	1.6	79.4	.94	81.6	82.5	N b E	0.0	0.20	—	Out of Sc.	Out of Sc.	Instantly.
8 „	.730	.793	80.1	78.5	1.6	77.9	.93	80.6	82.4	E b N	0.0	0.03				
9 „	.750	.901	77.6	75.6	2.0	74.8	.92	78.2	82.2	SW b W	0.0	0.18				
10 „	.735	.830	78.2	77.2	1.0	76.8	.96	78.9	82.0	S	0.0					
11 „	.731	.852	77.3	76.3	1.0	75.9	.96	78.2	81.8	„	0.0					
Oct. 3rd-Midnight	.682	.800	77.0	76.2	0.8	76.0	.96	77.2	81.5	SW b S	0.3					
1 a. m.	.650	.764	77.1	76.4	0.7	76.1	.97	77.6	81.4	S b W	0.0	0.1				
2 „	.628	.740	77.6	76.6	1.0	76.2	.96	78.2	81.3	SSW	0.0					
3 „	.627	.739	77.6	76.6	1.0	76.2	.96	78.2	81.3	„	0.0					
4 „	.634	.752	77.4	76.4	1.0	76.0	.96	78.1	81.2	„	0.0					
5 „	.650	.760	77.4	76.6	0.8	76.3	.97	78.2	81.1	„	0.0					
6 „	.660	.774	77.8	76.6	1.2	76.1	.95	78.1	81.0	„	0.0					
7 „	.675	.749	78.4	77.8	0.6	77.5	.97	78.8	80.9	S	0.1					
8 „	.709	.771	80.5	78.5	2.0	77.9	.92	80.5	81.1	„	0.1					
9 „	.720	.751	82.0	80.0	2.0	79.3	.92	81.6	81.3	„	0.2					
10 „	.714	.746	83.0	80.0	3.0	78.9	.88	82.4	81.5	„	0.1					
11 „	.696	.703	84.6	81.0	3.6	79.7	.86	83.7	81.7	SSW	0.2				None.	
Noon.	.670	.651	85.1	81.7	3.4	80.6	.87	84.1	81.9	„	0.3					
1 p. m.	.641	.612	86.2	82.2	4.0	80.9	.85	84.9	82.1	„	0.2					
2 „	.618	.586	86.8	82.4	4.4	80.8	.83	85.4	82.3	WSW	0.1					
3 „	.599	.588	87.8	82.2	5.6	80.3	.79	86.2	82.5	W b N	0.3					
4 „	.605	.629	87.0	81.2	5.8	79.2	.78	85.9	82.7	„	0.2					
5 „	.612	.634	86.0	81.0	5.0	79.3	.81	84.8	82.8	NW	0.3					
6 „	.631	.674	84.0	80.0	4.0	78.6	.84	83.8	82.8	„	0.4					
7 „	.650	.690	83.7	80.0	3.7	78.7	.85	83.4	82.7	„	0.3					
8 „	.675	.701	83.2	80.2	3.0	79.1	.88	82.9	82.7	„	0.3					
9 „	.694	.764	82.6	79.0	3.6	77.7	.86	82.3	82.5	„	0.2					
10 „	.691	.756	82.2	79.0	3.2	77.8	.87	82.0	82.5	„	0.0					
11 „	.686	.771	81.7	78.4	3.3	77.2	.87	81.6	82.5	NW b N	0.1		+	4		0.20
Oct. 4th-Midnight	.674	.726	81.0	79.0	2.0	78.3	.92	81.0	82.4	NNW	0.0					
1 a. m.	.665	.724	80.5	78.7	1.8	78.0	.93	80.5	82.3	„	0.0					
2 „	.658	.711	80.0	78.7	1.3	78.2	.95	80.0	82.2	„	0.0					
3 „	.653	.748	81.1	78.0	3.1	76.8	.87	81.3	82.2	NW b N.	0.3					
4 „	.656	.738	81.4	78.4	3.0	77.3	.88	81.4	82.2	„	0.0					
5 „	.667	.857	79.0	75.0	4.0	73.3	.84	77.5	82.0	NNW	0.4	0.35				
6 „	.688	.817	77.0	76.0	1.0	75.6	.96	77.1	81.6	N	0.0					
7 „	.718	.761	80.2	79.0	1.2	78.6	.95	80.3	81.7	NE	0.2					
8 „	.736	.727	81.6	80.6	1.0	80.2	.96	81.5	81.9	E	0.2					
9 „	.752	.776	82.3	80.0	2.3	79.2	.90	82.0	82.0	SE b E	0.1					
10 „	.750	.755	84.8	81.1	3.7	79.8	.86	83.9	82.1	SE b S	0.1					
11 „	.726	.714	85.7	81.7	4.0	80.3	.85	84.5	82.5	SSW	0.1		None.	None.	None.	None.
Noon.	.704	.693	86.6	81.9	4.7	80.3	.82	85.1	82.6	SW b S	0.1					
1 p. m.	.684	.655	87.4	82.5	4.9	80.9	.82	86.1	82.7	W b S	0.2					
2 „	.697	.762	84.2	78.8	5.4	80.1	.79	83.9	82.8	ESE	0.1					
3 „	.646	.637	88.0	82.2	5.8	80.2	.79	86.2	83.0	WNW	0.3					
4 „	.651	.669	87.7	81.5	6.2	79.4	.77	86.1	83.1	„	0.3					
5 „	.659	.734	85.4	79.6	5.8	77.5	.78	84.3	83.2	NW	0.4					
6 „	.670	.712	83.8	80.0	3.8	78.6	.85	83.5	83.0	NW b N	0.7					
7 „	.698	.776	83.2	79.0	4.2	77.4	.83	83.0	83.0	„	0.5					
8 „	.712	.792	82.8	78.8	4.0	77.3	.84	82.8	82.9	„	0.4					
9 „	.727	.809	82.6	78.7	3.9	77.3	.85	82.5	82.7	„	0.4					
10 „	.736	.803	82.4	79.0	3.4	77.8	.86	82.2	82.7	„	0.4					
11 „	.728	.793	82.2	79.0	3.2	77.8	.87	82.0	82.6	„	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: Ni cirri; Vi cirro-cumuli; Ci cumuli; Li cirro-strati; Cu cumulo-strati; and Vu nimbi.	
5	B	Ci around hor.; Ni scattered about.	
3	L	Ci and Ni scattered about hor.	
5	L	Ci and Ni scattered about, except in W of zth.; Vu in E; thunder occasionally heard in E.	
8	L	Vu and Ni scattered about, former moving E; thunder in E.	
8	L	Vu and Ni scattered throughout, moving W; light drops of rain after 4h.	
8	B	Overcast with Vu and Ni, former moving S; light drops of rain.	
8	B	Overcast; thunder in NE; raining lightly.	
8	B	Overcast; continuous lightning and thunder in S, SW, and W; rain ceased at 7h. 30m. but recommenced at 7h. 50m.	
8	B	Overcast with Vu, moving SW; lightning along W hor. followed at times with peals of thunder; rain ceased at 8h. 15m.	
8	B	Overcast; lightning and occasional thunder in W hem. [but recommenced at 8h. 53m.	
8	B	Overcast with Vu and Ni, former moving S; lightning in SW hor. at intervals of 1m. 18s.; thunder in W occasionally heard.	
8	B	Overcast; lightning often followed by thunder in SW.	
8	C	Overcast with Vu, moving NNE; lightning and thunder along W hor.; light rain at 0h. 47m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°5. Daily fall of rain by Osler's gauge 0.01in.; at 3 P. M., the reading of standard barometer was 29.599in. lowest during the month, and 0.178in. lower than the normal mean.
8	B	Overcast; lightning and thunder along W hor. constantly noticed; rain ceased at 1h. 10m.	
8	B	Overcast; lightning and thunder in W at intervals of 2m. 18s.	
8	B	Overcast; lightning and thunder in W constantly noticed.	
6	B	Dense Vi and Ni scattered about; lightning in W at intervals of 1m. 44s. but no thunder was heard.	
7	L	Dense Vi and Ni scattered about, former moving NW; lightning in W hor. every 2m.	
7	L	Vi, Ni, and Vu scattered throughout: heavy clouds, moving N.	
6	L	Vu around hor.; Vi scattered throughout, moving N.	
8	B	Overcast with dense Vi, moving NNE.	
5	C	Vu and Vi scattered throughout, former moving N; a few Ni above SW.	
5	C	Clouded as before; a few Ci were visible in E, S, and SW hor.	
6	C	Vi and Vu scattered throughout, both moving NE.	
6	C	Ci in E hor.; light Vu scattered throughout, moving NNE.	
4	L	Ci in E hor.; light Vu scattered about, moving NE.	
4	L	Ci and dense clouds scattered about hor.	
5	L	Ci around hor.; light Vu scattered about, moving E.	
6	L	Ci around hor.; Vu and Ni scattered about, former moving E.	
7	L	" " "	
6	L	Ci and dense Vi around hor.; Ni scattered throughout.	
6	B	Vi, Ni, and Vi scattered about.	
7	B	Ni and Vi scattered throughout.	
5	C	Vi in E hor.; Ni scattered about.	
5	C	Vu in E hor.; Ni scattered around hor.	
3	C	" "	
3	C	Ni scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°5. Daily fall of rain by Osler's gauge 0.37in. the temperature of evaporation at 1 P. M., was 82°5 highest during the month, and 4°5 higher than the normal mean.
3	B	Ni and Vi scattered around hor.	
3	B	"	
4	B	Light Vu scattered around hor., moving SSE.	
7	B	Densely clouded with Vu, moving SSE; rain commenced at 4h. 15m.	
8	N	Overcast; rain ceased at 5h. 8m.	
8	N	Overcast; no rain.	
8	N	" "	
8	N	" "	
6	C	Vu and Vi scattered throughout, both moving WNW.	
4	C	Vu around hor.; Vi scattered about.	
3	C	Vu and Vi scattered about hor., former moving W.	
4	C	Dense Vi around hor. and in E, moving W.	
5	B	Ci along E hor.; Vi scattered about, moving W.	
6	B	" " "	
4	B	" " "	
4	B	Clouded as before, but the motion of Vi was SE.	
2	N	Ci and Vi along E hor.; Ni scattered about.	
2	N	" "	
1	N	Cloudy around hor.	
0	N	A few Ni in SE above hor.	
0	C	Ni scattered along S hor.	
0	C	A few Ni in E hor.	
2	C	Light Vu scattered here and there, moving E.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds since date of explosion after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 5th-Midnight	29.717	28.778	81°8	79°0	2°8	78°0	0.89	81°7	82°4	NNW	0.2					
1 a. m.	.705	.771	81.9	78.9	3.0	77.8	.88	81.9	82.6	„	0·3					
2 „	.697	.783	81.4	78.3	3.1	77.1	.87	81.4	82.5	N b W	0·4					
3 „	.704	.780	81.3	78.5	2.8	77.5	.89	81.2	82.5	N	0.3					
4 „	.720	.786	80.7	78.6	2.1	77.8	.91	80.6	82.4	NE b N	0.2					
5 „	.726	.771	80.4	79.0	1.4	78.5	.95	80.3	82.4	„	0.0					
6 „	.747	.820	89.6	78.4	1.2	77.6	.95	80.2	82.2	NE	0.0					
7 „	.771	.785	81.4	80.0	1.4	79.6	.95	81.6	82.3	„	0.0					
8 „	.785	.840	82.4	79.3	3.1	78.2	.87	82.3	82.5	„	0·0					
9 „	.787	.796	84.1	80.8	3.3	79.7	.87	83.3	82.6	NE b E	0.0					
10 „	.784	.798	84.9	80.9	4.0	79.5	.84	84.0	82.7	NNE	0.0					
11 „	.769	.791	84.8	80.7	4.1	79.3	.84	84.1	82.7	„	0.0					
Noon.	.744	.813	86.4	80.0	6.4	77.7	.76	85.0	82.9	NNW	0·2	None.	None.	None.	None.	None.
1 p. m.	.718	.785	87.8	80.4	7.4	77.8	.73	86.2	83.0	WNW	0·2					
2 „	.703	.756	88.1	80.8	7.3	78.2	.73	86.6	83.3	NW b W	0·6					
3 „	.703	.760	87.6	80.6	7.0	78.1	.74	86.0	83.4	„	0·6					
4 „	.708	.763	86.3	80.3	6.0	78.2	.77	85.2	83.4	NW	0·7					
5 „	.716	.740	84.6	80.6	4.0	79.2	.84	84.0	83.5	„	0·6					
6 „	.725	.760	84.0	80.2	3.8	78.8	.85	83.6	83.2	„	0·4					
7 „	.743	.741	83.8	81.0	2.8	80.0	.89	83.6	83.2	„	0.5					
8 „	.774	.810	83.4	80.0	3.4	78.8	.86	83.2	83.2	„	0.3					
9 „	.786	.818	83·0	80.0	3.0	78.9	.88	82.9	83.1	„	0.2					
10 „	.794	.824	82.8	80.0	2.8	79.0	.89	82.8	83.0	„	0.2					
11 „	.786	.780	82.8	80.8	2.0	79.1	.92	82.8	83.0	NW b W	0.1					
Oct. 6th-Midnight	.778	.816	82.4	79.7	2·7	78.7	.89	82.4	83.0	NW b W	0.1					
1 a. m.	.773	·829	82.1	79.2	2.9	78.1	.88	82.1	83.0	WNW	0.4					
2 „	.760	.848	81.6	78.3	3.3	77.0	.87	81.6	82.9	NW	0.3					
3 „	.758	.840	81.4	78.4	3.0	77.3	.88	81.4	82.8	„	0.2					
4 „	.764	.868	79.8	77.4	2.4	76.5	.90	79.8	82.7	NW b W	0.0					
5 „	.789	.870	79.8	78.0	1.8	77.3	.93	79.9	82.5	„	0.0					
6 „	.796	.870	79.2	78.0	1.2	77.5	.95	79.6	82.5	„	0.0					
7 „	.808	.849	80.7	79.2	1.5	78.6	.94	81.0	82.4	WSW	0.0					
8 „	·821	.865	82.2	79.5	2.7	78.5	.89	82.3	82.5	W b N	0.1					
9 „	.829	.829	84.0	81.0	3.0	80.0	.88	83.4	82.7	W b S	0.1					
10 „	.821	.828	85.4	81.2	4.2	79.7	.84	85.0	82.9	WNW	0·1					
11 „	.809	.830	85.9	81.0	4.9	79.3	.81	85.3	83.0	„	0·2	None.			None.	
Noon.	.791	.823	86.2	80.8	5.4	78.9	.80	85.3	83.1	„	0.4					
1 p. m.	.766	·820	85.0	80.0	5.0	78.2	.81	84.4	83.2	NW	0.1					
2 „	.749	.782	87.0	81.0	6·0	78.9	.78	86·0	83.3	WNW	0·3					
3 „	.741	.765	87.4	81.3	6.1	79·2	.77	86.6	83.5	W b N	0.2					
4 „	.750	.766	87.5	81.5	6.0	79.4	.78	86.0	83.5	„	0.3					
5 „	.756	.791	85.6	80.6	5.0	78.8	.81	84.4	83.7	WNW	0.2		+	1		Above 10m.
6 „	·771	.824	83.4	79.6	3.8	78.2	.85	83.2	83.5	NW b W	0·3		+	1		Above 10m.
7 „	.784	.866	83.0	78.8	4.2	77.3	.84	82.8	83.4	„	0·3		+	2		0.30
8 „	.805	.931	82.4	77.6	4.8	75.7	.81	82.3	83.3	„	0·4					
9 „	.826	.950	82.2	77.6	4.6	75.8	.82	82.0	83.1	WNW	0·1					
10 „	.830	.947	82.0	77.7	4.3	76.0	.83	82.0	83.0	„	0.1		+	1		2.37
11 „	.820	.925	82.0	78.0	4.0	76.5	.84	81.9	82.9	„	0·1		+	6		0.19
Oct. 7th-Midnight	.813	.939	81.8	77.4	4.4	75.7	.83	81.7	82.8	WNW	0.4		+	8		2.17
1 a. m.	.794	.917	81.5	77.4	4.4	75.8	.84	81.5	82.7	„	0.4		+	18	16	2·23
2 „	.790	.924	81.0	77.0	4.0	75.4	.84	81.0	82.7	NW	0.5					
3 „	.790	.924	81.0	77.0	4.0	75.4	.84	80.9	82.6	„	0.6		+	2		2.07
4 „	.800	.940	80.8	76.8	4.0	75.2	.84	80.6	82.5	„	0.7		+	1		Above 10m.
5 „	.814	.959	80.6	76.6	3.8	75.0	.84	80.7	82.4	NW b N	0.5		+	1		Above 10m.
6 „	.836	.968	80.8	77.0	3.7	75.5	.85	80.7	82.4	„	0.4	None.	+	·1		Above 10m.
7 „	.861	.972	81.4	77.7	3.7	76.3	.85	81.3	82.4	„	0.3					
8 „	.884	.984	82.7	78.3	4.4	76.6	.83	82.3	82.4	„	0·5					
9 „	.899	.994	84.2	78.8	5.4	76.8	.79	83.6	82.5	„	0·6					
10 „	.893	29.030	84.9	78.0	6.9	75.3	.74	84.0	82.7	NNW	0.6					
11 „	.879	.032	85.6	77.8	7.8	74.7	.71	84.6	82.8	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
4	C	Light scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°8.
4	B	" "	
3	B	Light scattered about hor., moving SE.	
4	B	" "	
3	B	Light scattered about hor., moving SSE.	
3	N	and scattered about hor.; dew falling.	
6	N	around hor.; scattered throughout; dew falling copiously; mist in hor.	
3	N	, , and scattered about hor.; last moving SSE.	
7	N	Densely clouded with , moving SSE.	
4	C	around hor.; scattered about, moving E.	
4	C	and scattered about hor., moving ESE.	
5	C	and scattered about, latter moving ESE.	
4	C	" "	
3	B	along E hor.; and scattered about.	
5	B	" "	
6	B	along E hor.; scattered about, moving SSW.	
7	B	" " "	
8	N	Overcast with dense whose motion was not apparent.	
8	N	Overcast with , moving NW.	
8	N	Overcast with , moving W.	
6	N	scattered throughout, moving W.	
8	C	Overcast; a few stars dimly visible.	
8	C	Overcast with dence , moving WSW.	
8	C	Overcast with dense , moving SE.	
8	C	Overcast with dense , moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°8.
8	B	Overcast with , moving SSE.	
5	B	scattered about, moving SSE.	
4	B	scattered about hor., moving SSE.	
3	B	scattered about hor.; dew falling.	
4	G	scattered about hor., moving NE; dew falling.	
4	G	and scattered about hor.; light masses of floating ESE; fog along E hor.	
7	G	and around hor.; light , moving SE; fog along E hor.	
6	G	Light scattered throughout, moving SE.	
7	C	" "	
6	C	" "	
6	C	" "	
7	C	scattered throughout, moving ESE.	
7	B	Densely clouded with dense , moving W.	
7	B	around E hor.; scattered throughout.	
5	B	" "	
5	B	along E hor.; light and scattered about, moving SE.	
4	L	Light and scattered about, moving E.	
4	L	"	
4	L	scattered about hor., moving WSW.	
2	L	scattered about hor., moving W.	
3	C	scattered around hor. and in E hem., moving WSW.	
5	C	scattered throughout, except about zth.	
4	C	scattered in S hem., moving WSW.	
3	C	Light scattered about, moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 83°6.
2	B	Light scattered about hor.	
2	B	"	
2	B	"	
2	B	Light and scattered about, moving SE.	
2	L	Masses of scattered about, moving S.	
3	L	Masses of light scattered about, moving SSE.	
4	L	" "	
6	B	" "	
5	C	" "	
5	C	scattered throughout, except about zth., their motion was SE.	
3	C	scattered around hor., moving SE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 7th-Noon.	29.854	29.003	86°0	78°0	8°0	74°9	0.70	85°0	82°9	NNW	0.7					
1 p. m.	.825	28.978	86.4	78.0	8.4	74.7	.69	85.3	83.0	„	1.0		+	2		Above 10m.
2 „	.811	.960	86.0	78.0	8.0	74.9	.70	84.8	83.1	NW b N	0.8					
3 „	.805	.962	86.0	77.8	8.2	74.6	.70	84.7	83.2	„	0.8					
4 „	.807	.989	85.4	77.0	8.4	73.6	.69	84.0	83.2	„	0.8					
5 „	.815	29.001	83.6	76.4	7.2	73.5	.73	82.5	83.0	„	0.8	None.			None.	
6 „	.829	.003	81.8	76.2	5.6	74.0	.78	81.4	82.8	„	0.6					
7 „	.849	.023	81.1	76.0	5.1	74.0	.79	81.0	82.6	„	0.5				None.	
8 „	.869	.032	80.8	76.2	4.6	74.4	.82	80.8	82.6	„	0.3		+	2		0.40
9 „	.880	.049	80.6	76.0	4.6	74.1	.82	80.5	82.5	NW	0.2		+	2		Above 10m.
10 „	.876	.053	80.3	75.7	4.6	73.8	.82	80.2	82.3	„	0.2					
11 „	.864	.026	80.0	76.0	4.0	74.4	.84	80.1	82.2	„	0.4					
Oct. 8th-Midnight	.851	.011	79.8	76.0	3.8	74.5	.85	80.0	82.1	NW b N	0.3					
1 a. m.	.836	.017	79.6	75.4	4.2	73.7	.83	79.7	82.0	„	0.3					
2 „	.825	.016	79.1	75.0	4.1	73.3	.83	79.0	81.9	NNW	0.5					
3 „	.818	.019	78.6	74.6	4.0	73.0	.84	78.7	81.8	N	0.1					
4 „	.825	28.997	77.4	75.0	2.4	74.0	.90	77.8	81.7	N b E	0.0					
5 „	.830	.996	76.8	75.0	1.8	74.3	.92	77.3	81.5	„	0.0					
6 „	.860	29.031	76.6	74.8	1.8	74.1	.92	77.2	81.3	„	0.0					
7 „	.878	28.992	79.2	77.0	2.2	76.1	.91	79.4	81.3	„	0.0					
8 „	.896	.991	81.1	78.0	3.1	76.8	.87	80.6	81.5	NE	0.3					
9 „	.906	.999	82.4	78.4	4.0	76.9	.84	81.7	81.7	ENE	0.1					
10 „	.898	29.076	83.2	76.5	6.7	73.8	.75	82.4	81.8	NW	0.0					
11 „	.871	.028	84.2	77.3	6.9	74.6	.74	83.2	81.9	„	0.3	None.			None.	
Noon.	.839	28.998	84.8	77.4	7.4	74.5	.72	83.9	82.1	„	0.4		None.	None.		
1 p. m.	.823	.986	85.8	77.6	8.2	74.4	.70	84.5	82.2	„	0.5				None.	
2 „	.809	.972	85.8	77.6	8.2	74.4	.70	84.3	82.3	„	0.4					
3 „	.801	.962	85.6	77.6	8.0	74.4	.70	84.0	82.4	„	0.5					
4 „	.803	29.020	85.0	76.0	9.0	72.3	.67	83.3	82.4	„	0.6					
5 „	.818	.019	82.8	75.8	7.0	73.0	.73	81.8	82.3	„	0.4					
6 „	.827	.035	81.0	75.1	5.9	72.7	.77	80.8	82.1	„	0.2					
7 „	.841	.049	80.6	75.0	5.6	72.7	.78	80.4	81.9	NNW	0.2					
8 „	.861	.066	80.0	74.9	5.1	72.8	.79	80.0	81.9	„	0.1					
9 „	.865	.069	79.6	74.8	4.8	72.8	.81	79.6	81.8	„	0.1					
10 „	.866	.060	79.4	75.0	4.4	73.2	.82	79.5	81.6	„	0.0					
11 „	.861	.051	79.0	75.0	4.0	73.3	.84	79.0	81.5	„	0.0					
Oct. 10th-Midnight	.897	.097	78.2	74.5	3.7	73.0	.85	78.4	81.0	NNW	0.0					
1 a. m.	.882	.082	78.2	74.5	3.7	73.0	.85	78.4	81.0	„	0.0					
2 „	.872	.070	77.3	74.3	3.0	73.0	.87	77.7	80.9	„	0.0					
3 „	.873	.074	76.5	74.0	2.5	72.9	.89	77.0	80.7	„	0.0					
4 „	.875	.071	76.1	74.0	2.1	73.1	.91	76.9	80.6	„	0.0					
5 „	.897	.063	76.8	75.0	1.8	74.3	.92	77.3	80.6	NE b E	0.0					
6 „	.913	.090	76.4	74.6	1.8	73.8	.92	76.9	80.5	ENE	0.1					
7 „	.935	.049	79.2	77.0	2.2	76.1	.91	79.0	80.5	E b S	0.1					
8 „	.957	.084	80.4	77.0	3.4	75.7	.86	80.0	80.6	„	0.1					
9 „	.975	.060	82.0	78.5	3.5	77.2	.86	81.2	80.9	„	0.1					
10 „	.976	.088	82.6	78.0	4.6	76.2	.82	81.9	81.1	„	0.1					
11 „	.959	.075	83.0	78.0	5.0	76.1	.80	82.0	81.1	„	0.1	None.			None.	
Noon.	.931	.100	84.2	77.0	7.2	74.1	.73	83.0	81.2	NW b N	0.3		None.	None.		
1 p. m.	.915	.103	85.2	76.8	8.4	73.4	.69	83.5	81.5	NW b W	0.2				None.	
2 „	.895	.044	86.0	78.0	8.0	74.9	.70	84.4	81.6	„	0.5					
3 „	.886	.071	85.6	77.0	8.6	73.5	.68	83.8	81.7	NW	0.8					
4 „	.886	.103	85.0	76.0	9.0	72.3	.67	83.3	81.8	„	0.5					
5 „	.899	.133	83.0	75.0	8.0	71.6	.70	81.9	81.7	„	0.5					
6 „	.916	.129	81.1	75.0	6.1	72.5	.76	80.6	81.6	„	0.2					
7 „	.936	.159	80.6	74.6	6.0	72.0	.76	80.4	81.5	NW b N	0.2					
8 „	.955	.174	80.2	74.6	5.6	72.2	.78	80.2	81.4	„	0.2					
9 „	.960	.194	79.9	74.1	5.8	71.6	.77	79.9	81.3	„	0.2					
10 „	.957	.154	79.6	75.0	4.6	73.1	.81	79.6	81.2	„	0.1					
11 „	.954	.156	79.4	74.8	4.6	72.9	.81	79.4	81.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	C	scattered around hor., moving SE.	
1	L	Light scattered about hor., moving SE.	
1	L	Pieces of clouds scattered here and there, moving SE.	
1	L	" "	
1	L	Pieces of scattered around hor., moving SE.	
1	L	" "	
1	L	" "	
2	B	" "	
2	L	Masses of scattered here and there, moving SE.	
3	C	" "	
2	C	" "	
1	C	Pieces of scattered around hor., moving SE.	
3	C	Masses of scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°6.
4	B	" "	
3	B	" "	
2	B	scattered about hor., moving SE.	
1	B	Pieces of clouds around hor.; dew falling.	
1	L	" "	
1	L	Pieces of clouds around hor.	
2	L	Masses of around hor. and in SE and S, moving SE.	
5	B	Light about hor.; scattered here and there, former moving S.	
4	C	Light scattered about, moving SE.	
4	C	" "	
3	C	" "	
3	C	" "	
2	L	Light scattered about hor., moving SE.	
2	L	scattered about hor., moving SE.	
1	L	Masses of around hor.	
1	L	"	
1	C	Pieces of light scattered about, moving SE.	
0	C	Patches of around hor.	
0	C	A few pieces of in E hor.	
0	C	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	" "	
1	C	Light scattered around hor. and in S, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°5.
2	B	Light scattered about hor., moving SE.	
3	B	" "	
2	B	Light scattered about hor.; dew falling.	
2	B	" "	
1	L	" "	
1	L	" "	
1	L	scattered throughout, moving SE; hazy in hor.	
1	B	scattered about hor.; hazy about hor.	
1	C	" "	
1	C	Light scattered around hor.	
1	C	Light around hor.; light scattered in E hem.	
1	C	Light scattered around hor., moving SE.	
1	L	" "	
1	L	" "	
1	L	" "	
1	L	Light scattered around hor.; a few in E.	
1	L	" "	
1	B	Clouded as before.	
1	B	"	
1	L	"	
1	C	scattered about hor., moving SE.	
5	C	scattered about, a few in E.	
3	C	in E hem.; scattered about, moving SE.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of time in recovering the same force of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 11th-Midnight	29.943	29.120	77°8	75°0	2°8	73°8	0.88	78°0	80°9	NNW	0.0					
1 a. m.	.926	.114	76.8	74.4	2.4	73.4	.90	77.8	80.8	„	0.0					
2 „	.918	.110	76.4	74.2	2.2	73.3	.91	77.1	80.7	„	0.0					
3 „	.912	.088	76.7	74.7	2.0	73.9	.91	77.5	80.6	„	0.0					
4 „	.917	.093	76.7	74.7	2.0	73.9	.91	77.5	80.6	NE b N	0.0					
5 „	.931	.126	76.0	74.0	2.0	73.2	.91	77.1	80.5	„	0·1					
6 „	.948	.148	75.8	73.8	2.0	73.0	.91	76.7	80.4	NE·b E	0.1					
7 „	.968	.132	78.0	75.4	2.6	74.3	.89	78.2	80.3	ENE	0.2					
8 „	.984	.110	80.3	77.0	3.3	75.7	.87	79.8	80.5	E b N	0·2					
9 „	.996	.132	81.2	77.0	4.2	75.4	.83	80.5	80.7	E	0·1					
10 „	.994	.154	82.0	76.6	5.4	74.5	.79	81.0	80.8	„	0·1					
11 „	.977	.129	82.6	77.0	5.6	74.8	.78	81.6	81.0	E b N	0.1	None.	None.	None.	None.	None.
Noon.	.951	.118	84.0	77.0	7.0	74.2	.73	82.9	81.1	NNW	0.3					
1 p. m.	.925	.084	84.8	77.4	7.4	74.5	.72	83.5	81.2	NW b N	0.4					
2 „	.916	.114	85.0	76.5	8.5	73.0	.68	83.1	81.4	„	0·4					
3 „	.904	.099	84.8	76.5	8.3	73.2	.69	83.3	81.5	„	0.5					
4 „	.902	.104	84.4	76.2	8.2	72.9	.69	82.8	81.5	„	0·6					
5 „	.910	.212	82.4	73.0	9.4	68.8	.65	81.2	81.4	„	0.2					
6 „	.927	.164	80.4	74.2	6.2	71.5	.75	80.0	81.4	„	0·3					
7 „	.939	.176	79.8	74.0	5.8	71.5	.77	79.6	81.2	„	0·2					
8 „	.956	.188	79.4	74.0	5.4	71.7	.78	79.3	81.1	„	0.1					
9 „	.960	.155	79.1	74.9	4.2	73.2	.83	79.4	81.0	„	0·0					
10 „	.962	.164	78.4	74.8	3.6	72.9	.85	79.3	80.9	„	0·0					
11 „	.941	.128	77.0	74.5	2.5	73.5	.89	77.5	80.6	„	0.0					
Oct. 12th-Midnight	.935	.101	76.8	75.0	1.8	74.3	.92	77.5	80.5	NW b N	0.0					
1 a. m.	.924	.076	77.2	75.4	1.8	74.8	.94	77.5	80.6	NE b N	0.0					
2 „	.913	.096	76.3	74.4	1.9	73.6	.92	76.9	80.5	„	0.0					
3 „	.910	.093	76.3	74.4	1.9	73.6	.92	76.9	80.4	„	0·1					
4 „	.918	.106	76.0	74.2	1.8	73.4	.92	76.6	80.3	E b N	0.0					
5 „	.929	.127	75.6	73.8	1.8	73.0	.92	76.3	80.3	„	0.2					
6 „	.951	.174	75.2	73.0	2.2	72.0	.91	75.9	80.1	ENE	0.1					
7 „	.971	.162	77.0	74.4	2.6	73.3	.89	77.1	80.0	„	0.1					
8 „	.986	.137	79.0	76.0	3.0	74.8	.88	78.6	80.0	„	0.2					
9 „	.993	.123	80.6	77.0	3.6	75.6	.85	80.0	80.2	„	0.1					
10 „	.990	.117	82.2	77.5	4.7	75.7	.81	81.3	80.5	„	0.3					
11 „	.971	.127	83.0	77.0	6.0	74.7	.77	81.9	80.6	„	0.2	None.	None.	None.	None.	None.
Noon.	.947	.100	83.8	75.0	8.8	71.3	.67	82.9	80.6	NW b N	0.2					
1 p. m.	.908	.117	85.0	76.2	8.8	72.6	.68	83.5	80.9	NW	0.2					
2 „	.890	.094	85.2	76.4	8.8	72.8	.68	83.7	81.2	NW b W	0.5					
3 „	.873	.079	85.4	76.4	9.0	72.8	.67	83.7	81.2	„	0.4					
4 „	.875	.082	84.8	76.2	8.6	72.7	.68	82.8	81.3	NW	0.3					
5 „	.881	.066	82.8	76.2	6.6	73.5	.75	81.5	81.2	NW b N	0.2					
6 „	.892	.093	80.7	75.2	5.5	73.0	.78	80.1	81.2	„	0.2					
7 „	.905	.088	79.8	75.4	4.4	73.6	.82	79.6	81.1	N b W	0.2					
8 „	.918	.065	79.4	76.2	3.2	75.0	.87	79.6	80.9	„	0.3					
9 „	.931	.072	78.8	76.2	2.6	75.2	.89	78·9	80.8	NNW	0.1					
10 „	.929	.078	78.1	75.8	2.3	74.9	.90	78.5	80.8	„	0.1					
11 „	.917	.119	76.4	74.0	2.4	75.9	.90	77.0	80.6	NNE	0.0					
Oct. 13th-Midnight	.900	.091	75.6	74.0	1.6	73.3	.93	76.3	80.4	NNE	0.0					
1 a. m.	.892	.083	75.6	74.0	1.6	73.3	.93	76.4	80.3	„	0.0					
2 „	.888	.079	75.6	74.0	1.6	73.3	.93	76.2	80.2	„	0.0					
3 „	.888	.079	75.6	74.0	1.6	73.3	.93	76.2	80.1	„	0.0					
4 „	.882	.070	75.4	74.0	1.4	73.4	.94	76.1	80.0	„	0.0					
5 „	.887	.075	75.4	74.0	1.4	73.4	.94	76.3	80.0	NE b N	0.0	None.	None.	None.	None.	None.
6 „	.907	.080	75.4	74.4	1.0	74.0	.96	75.9	79.9	ENE	0.1					
7 „	.925	.083	76.8	75.2	1.6	74.6	.93	76.9	79.9	„	0·1					
8 „	.951	.122	78.3	75.3	3.0	74.1	.87	78.0	79.9	E b N	0.2					
9 „	.962	.109	80.0	76.4	3.6	75.0	.85	79.4	80.0	„	0.1					
10 „	.956	.083	81.5	77.3	4.2	75.7	.83	80.6	80.2	„	0.1					
11 „	.932	.107	82·6	76.4	6.2	73.9	.76	81.6	80.4	NNW	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀≀ nimbi.	
4	C	≀ in E hem.; light ≀≀ scattered about, moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°5.
4	B	≀ and light ≀≀ scattered about hor., former moving SE; dew falling.	
7	B	≀ and ≀≀ scattered throughout; dew falling.	
8	B	Overcast with light ≀≀, a few stars dimly visible.	
3	B	≀≀ around hor.; ≀ scattered about; dew falling.	
2	L	Light ≀≀ scattered around hor. and in S and SW, moving SE; dew falling.	
2	L	≀≀ and ≀ scattered around hor.	
2	L	,,	
3	B	≀≀ scattered about hor., moving SE.	
4	C	≀≀ scattered about, moving SE.	
3	C	≀≀ scattered about hor., moving SE.	
2	C	,, ,,	
2	C	,, ,,	
1	L	≀≀ scattered around hor.	
1	L	,,	
1	L	,,	
1	L	,,	
1	L	,,	
1	B	,,	
1	B	,,	
0	L	A few pieces of ≀≀ in hor.	
0	C	Clear, except in hor.	
0	C	Clear; dew falling.	
0	C	,, ,,	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°4.
1	B	Light pieces of ≀≀ along W hor.; dew falling.	
1	B	,, ,,	
2	B	,, ,,	
1	B	,, ,,	
1	L	,, ,,	
2	L	Light ≀≀ scattered around hor. and in N, moving SE.	
2	L	Light ≀≀ scattered about hor., moving S.	
2	B	Pieces of ≀≀ scattered here and there, moving S.	
1	C	Pieces of ≀≀ around hor., moving S; haze around hor.	
3	C	≀≀ scattered around hor. and in N, NE.	
2	C	≀≀ scattered about hor., moving SSE.	
2	C	≀≀ scattered about hor., moving SE.	
1	L	Light ≀≀ scattered around hor.	
1	L	,,	
1	L	,,	
1	L	Light ≀≀ around hor., except in SE and S.	
1	L	,, ,,	
1	B	,, ,,	
0	B	Clear, except in hor.	
0	L	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°3.
0	B	,, ,,	
1	B	≀≀ in W, moving SE; dew falling.	
0	B	A few pieces of ≀≀ in W hor.; dew falling.	
0	B	,, ,,	
1	L	≀ and ≀≀ scattered around hor.; dew falling	
1	L	≀≀ scattered along S hor., moving SE.	
2	L	Dense ≀≀ scattered about hor., moving SE.	
1	B	Light ≀≀ in NE and along W hor.; mist along W hor.	
1	C	Light ≀≀ around hor.; haze around hor.	
1	C	Light ≀≀ around hor., moving SE.	
1	C	,, ,,	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 13th-Noon.	29.910	29.054	83°4	77°4	6°0	75°1	0.77	82°3	80°5	NNW	0.4					
1 p. m.	.878	.118	84.3	75.2	9.1	71.4	.66	82.7	80.6	NW b N	0.6					
2 „	.851	.063	84.7	76.0	8.7	72.5	.78	83.3	80.8	„	0.6					
3 „	.843	.038	84.8	76.5	8.3	73.2	.79	83.1	81.0	NNW	0.5					
4 „	.838	.044	84.0	76.0	8.0	72.8	.70	82.5	81.1	„	0·7					
5 „	.840	.043	81.6	75.4	6.2	72.9	.76	80.7	81.2	„	1·0	None.	None.	None.	None.	None.
6 „	.862	.059	79.6	75.0	4.6	73.1	.81	79.3	81.0	„	1.0					
7 „	.876	.066	79.0	75.0	4.0	73.3	.84	79.0	80.8	„	0.8					
8 „	.896	.087	78.4	74.8	3.6	73.3	.85	78.6	80.7	N b W	1.0					
9 „	.913	.094	78.2	75.0	3.2	73.7	.87	78.5	80.5	„	0.6					
10 „	.910	.096	77.8	74.8	3.0	73.5	.87	78.0	80.5	NNW	0.4					
11 „	.900	.093	77.6	74.5	3.1	73.2	.87	77.9	80.4	„	0.2					
Oct. 14th-Midnight	.890	.078	76.8	74.4	2.4	73.4	.90	77.0	80.2	N	0.0					
1 a. m.	.881	.109	75.6	73.0	2.6	71.8	.89	75.9	80.1	„	0·0					
2 „	.873	.096	75.2	73.0	2.2	72.0	.91	75.8	80.0	N b E	0.0					
3 „	.867	.086	74.8	73.0	1.8	72.2	.92	75.6	79.9	„	0.0					
4 „	.875	.096	75.0	73.0	2.0	72.1	.91	75.6	79.7	NNE	0.0					
5 „	.887	.128	74.8	72.4	2.4	71.3	.90	75.6	79.5	„	0.0					
6 „	.910	.117	74.4	73.2	1.2	72.7	.95	75.2	79.5	„	0.1					
7 „	.932	.111	76.6	74.6	2.0	73.8	.91	76.6	79.5	„	0.1					
8 „	.953	.136	78.4	75.0	3.4	73.6	.86	78.1	79.5	„	0.1					
9 „	.967	.116	81.0	76.6	4.4	74.9	.82	80.2	79.8	N b E	0·4					
10 „	.961	.099	81.4	77.0	4.4	75.3	.82	80.9	80.0	N b W	0·6					
11 „	.932	.048	83.0	78.0	5.0	76.0	.80	82.0	80.3	NNW	0·6	None.	None.	None.	None.	None.
Noon.	.902	.024	83.7	78.0	5.7	75.9	.78	82.7	80.5	„	0.7					
1 p. m.	.873	28.994	83.6	78.0	5.6	75.9	.78	82.4	80.6	„	1.5					
2 „	.848	.971	83.8	78.0	5.8	75.8	.77	82.6	80.8	„	1.5					
3 „	.832	.977	83.4	77.4	6.0	75.0	.77	82.2	80.9	„	1.0					
4 „	.835	.991	83.0	77.0	6.0	74.6	.77	81.6	81.0	„	1.5					
5 „	.843	29.010	81.2	76.2	5.0	74.2	.80	80.3	81.0	„	1.0					
6 „	.858	.014	79.4	76.0	3.4	74.6	.86	79.2	80.8	„	0.8					
7 „	.877	.028	79.0	76.0	3.0	74.8	.88	78.9	80.7	„	0.8					
8 „	.891	.034	78.8	76.4	2.4	75.5	.90	78.9	80.7	„	0.8					
9 „	.903	.036	78.4	76.3	2.1	75.5	.91	78.4	80.6	„	0.6					
10 „	.895	.025	78.1	76.3	1.8	75.6	.92	78.0	80.4	„	0.5					
11 „	.888	.000	78.0	76.7	1.3	76.2	.94	78.2	80.3	„	0·2					
Oct. 15th-Midnight	.878	28.985	77.8	76.8	1.0	76.4	.96	78.4	80.3	NNW	0.2					
1 a. m.	.864	.981	77.7	76.5	1.2	76.0	.95	78.0	80.3	N b W	0.2					
2 „	.853	.984	77.2	76.0	1.2	75.5	.95	77.5	80.3	N	0.1					
3 „	.854	29.003	76.5	75.2	1.3	74.7	.94	77.0	80.2	„	0.0					
4 „	.857	.025	76.0	74.7	1.3	74.2	.94	76.6	80.1	„	0.1					
5 „	.867	.022	75.8	75.0	0.8	74.7	.97	76.6	80.0	NNE	0.0					
6 „	.895	.041	76.4	76.4	1.0	75.0	.96	76.7	80.0	N b E	0.0					
7 „	.907	.043	77.6	76.0	1.6	75.4	.93	77.6	80.0	„	0·1					
8 „	.931	.065	79.2	76.5	2.7	75.4	.89	79.1	80.0	„	0.1					
9 „	.935	.031	81.2	78.0	3.2	76.8	.87	80.4	80.2	NNE	0.1					
10 „	.927	.031	82.5	78.1	4.4	76.5	.83	81.4	80.4	ENE	0.1					
11 „	.904	28.954	84.3	79.9	4.4	78.3	.83	83.2	80.6	N	0.2	None.	None.	None.	None.	None.
Noon.	.877	.949	84.8	79.5	5.3	77.6	.80	83.6	80.8	NW	0.3					
1 p. m.	.849	.934	84.0	79.0	5.0	77.2	.81	83.5	81.0	„	0.8					
2 „	.830	.936	84.0	78.5	5.5	76.4	.79	83.5	81.1	„	1.0					
3 „	.818	.903	84.0	79.0	5.0	77.2	.81	83.0	81.2	„	1·0					
4 „	.822	.917	83.4	78.6	4.8	76.8	.81	82.3	81.3	NW b N	1.5					
5 „	.823	.928	82.0	78.0	4.0	76.5	.84	81.3	81.3	NNW	1.0					
6 „	.827	.938	80.4	77.4	3.0	76.3	.88	80.2	81.2	„	0.8					
7 „	.843	.955	80.1	77.3	2.8	76.2	.89	80.0	81.2	„	1·3					
8 „	.869	.952	80.0	78.0	2.0	77.2	.92	79.9	81.2	„	0.6					
9 „	.879	.939	79.8	78.5	1.3	78.0	.95	79.8	81.1	NW b N	0.4					
10 „	.879	.945	79.2	78.2	1.0	77.8	.96	79.5	81.0	„	0.1					
11 „	.872	.931	78.6	78.2	0.4	78.0	.98	78.9	81.0	NNW	0·1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	C	Light scattered in E around hor., moving SSE	
2	B	Light scattered about hor. in W hem.	
1	B	" "	
1	B	Light scattered about hor., except in S and NW.	
1	B	" "	
1	L	Clouded as before.	
1	B	"	
1	L	"	
1	L	"	
0	C	Clear, except in hor.	
0	C	" "	
0	C	" "	
0	C	Clear, except in hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°3.
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	A few in E; dew falling.	
1	L	about E hor.; pieces of around W hor.	
1	L	" "	
1	B	scattered along W hor.; mist along W hor.	
2	C	Pieces of light scattered about, moving S.	
4	C	Light scattered about, moving SE.	
2	C	Light scattered about hor., moving SE.	
2	C	Light scattered around hor.; a few in E hem.	
2	L	Light around hor., except in SE and S; a few in E hem. about hor.	
3	L	Light scattered around hor.; in SE and S.	
4	L	Light scattered around hor.; in S hem.	
4	L	" "	
5	L	Light around hor.; scattered about.	
6	B	" "	
0	B	Clear, except in hor. "	
1	L	scattered along hor. from NE to SW.	
1	C	and scattered in E hem.	
1	C	Light and pieces of in E hem.	
2	C	Light and a few pieces of in E hem., latter moving WSW; dew falling.	
1	C	A few masses of in E and W hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°3.
2	B	scattered in E hem., moving S; dew falling.	
1	B	in E, SW, and W above hor., moving NW; dew falling.	
2	B	scattered around hor., moving NW; dew falling.	
5	B	scattered about, moving NW; dew falling.	
5	L	" " "	
5	L	around hor.; scattered about.	
4	L	" "	
6	B	and scattered about, moving NW; mist along W hor.	
2	C	scattered here and there; a few pieces of in NE; mist along W hor.	
2	C	in hor.; scattered about.	
2	C	" "	
2	C	in hor.; scattered in W hem.	
2	L	" "	
2	L	" "	
1	L	" "	
1	L	" "	
1	L	" "	
1	B	" "	
0	B	Clear, except in hor.	
1	B	Clear; dew falling.	
1	B	A few pieces of along E hor.; dew falling.	
1	B	" "	
0	B	A few pieces of clouds in NE hor.; dew falling.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or—	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 17th-Midnight	29.852	29.059	74°4	73°2	1°2	72°7	0.95	75°0	80°2	N b E	0.0					
1 a. m.	.835	.094	74.4	71.8	2.6	70.6	.89	74.8	79.9	„	0·1					
2 „	.830	.083	74.5	72.0	2.5	70.8	.89	74.8	79.7	„	0·0					
3 „	.826	.060	74.1	72.4	1.7	71.6	.92	74.7	79.6	„	0.0					
4 „	.838	.047	74.6	73.2	1.4	72.6	.94	75.1	79.5	NNE	0·0					
5 „	.853	.104	75.0	72.2	2.8	70.9	.88	75.3	79.5	„	0·0					
6 „	.872	.121	74.8	72.2	2.6	71.0	.89	75.0	79.4	„	0.0					
7 „	.892	.085	76.8	74.3	2.5	73.2	.89	76.8	79.4	NE b N	0.1					
8 „	.911	.103	78.5	74.8	3.7	73.3	.86	78.0	79.4	NE	0.2					
9 „	.922	.094	80.2	75.8	4.4	73.9	.82	79.4	79.7	NE b E	0.2					
10 „	.917	.072	82.2	76.8	5.4	74.7	.78	81.2	79.9	ENE	0.2					
11 „	.896	.078	83.2	76.4	6.8	73.6	.74	81.9	80.1	„	0·1					
Noon.	.873	28.992	84.0	78.2	5.8	76.0	.78	83.0	80.4	NNW	0.4	None.	None.	None.	None.	None.
1 p. m.	.846	29.037	84.0	76.4	7.6	73.3	.71	82.6	80.5	„	1.0					
2 „	.831	.014	84.4	76.7	7.7	73.6	.74	82.9	80.6	„	1.5					
3 „	.827	28.986	84.0	77.2	6.8	74.5	.74	82.6	80.8	„	0·8					
4 „	.830	29.008	83.2	76.5	6.7	73.8	.74	81.4	80.8	„	0.8					
5 „	.838	.015	81.4	76.0	5.4	73.8	.79	80.3	80.8	„	0·6					
6 „	.843	.045	79.0	74.8	4.2	73.1	.83	78.8	80.6	„	0·6					
7 „	.874	.042	78.4	75.4	3.0	74.2	.87	78.2	80.6	NW b N	0.4					
8 „	.885	.051	77.6	75.2	2.4	74.3	.90	77.9	80.4	„	0·2					
9 „	.890	.058	77.0	75.0	2.0	74.2	.91	77.3	80.2	„	0.1					
10 „	.881	.045	76.6	75.0	1.6	74.3	.93	76.9	80.1	„	0.2					
11 „	.872	.035	76·2	74.9	1.3	74.4	.94	76.8	80.0	NNW	0.1					
Oct. 18th-Midnight	.861	.044	75.6	74.2	1.4	73.6	.94	76.0	79.9	NNW	0.1					
1 a. m.	.860	.047	75.3	74.0	1.3	73.5	.94	75.8	79.8	„	0.2					
2 „	.851	.053	74.6	73.4	1.2	72.9	.95	75.0	79.7	N b W	0.1					
3 „	.848	.070	73.8	72.6	1.2	72.1	.95	74.4	79.5	„	0·1					
4 „	.848	.086	73.2	72.0	1.2	71.4	.95	73.8	79.3	N	0.1					
5 „	.868	.076	73.8	73.0	0.8	72.7	.96	74.7	79.2	„	0·1					
6 „	.884	.110	73·4	72.4	1.0	71.9	.96	73.7	79.0	„	0.1					
7 „	.895	.095	73.8	73.2	0.6	73.0	.97	74.0	78.9	„	0.1					
8 „	.924	.108	76.4	74.4	2.0	73.6	.91	76.5	78.9	„	0.1					
9 „	.933	.084	79.4	76.1	3.3	74.8	.86	78.2	79·2	„	0.1					
10 „	.918	.066	81.0	76.4	4.6	74.6	.81	80.4	79.5	NW b N	0.3					
11 „	.887	.052	81.8	76.5	5.3	74.3	.79	81.0	79.6	„	0.5	None.	None.	None.	None.	None.
Noon.	.861	.036	82.2	76.3	5.9	73.9	.77	81.2	79.8	„	1.0					
1 p. m.	.835	28.991	83.0	77.0	6.0	74.7	.77	81.9	80.0	NW b W	1.0	None.	None.	None.	None.	None.
2 „	.816	.960	83.0	77.3	5.7	75.1	.78	81.7	80.1	„	1.0					
3 „	.812	.982	82.5	76.5	6.0	74.1	.77	81.2	80.2	„	1.0					
4 „	.813	.982	82.0	76.4	5.6	74.1	.78	80.4	80.2	„	0.8					
5 „	.828	29.008	80.2	75.6	4.6	73.7	.81	79.3	80.2	„	0.6					
6 „	.837	.014	78.8	75.3	3.5	73.8	.86	78.4	80.2	„	0.5					
7 „	.856	.035	78.0	75.0	3.0	73.8	.87	78.0	80.1	NW	0.4					
8 „	.868	.050	77.6	74.8	2.8	73.6	.88	77.7	80.0	„	0·4					
9 „	.880	.086	77.0	74.0	3.0	72.8	.87	77.2	79.8	„	0.1					
10 „	.873	.089	76.2	73.5	2.7	72.3	.88	76.7	79.6	„	0.0					
11 „	.860	.061	75.9	73.8	2.1	73.0	.91	76.0	79.5	„	0.0					
Oct. 19th-Midnight	.853	.080	75.5	73.0	2.5	71.9	.89	75.9	79.4	NW	0.0					
1 a. m.	.848	.073	75.4	73.0	2.4	72.0	.90	75.7	79.4	„	0.0					
2 „	.838	.063	75.4	73.0	2.4	72.0	.90	75.7	79.3	NW b N	0·0					
3 „	.835	.058	75.2	73.0	2.2	72.1	.90	75.5	79.2	NNE	0.1					
4 „	.840	.086	73.9	72.0	1.9	71.1	.92	74.2	79.0	„	0.0					
5 „	.846	.084	73.8	72.2	1.6	71.4	.93	74.6	78.9	„	0.0					
6 „	.868	.090	73.8	72.6	1.2	72.1	.95	74.3	78.7	„	0.0					
7 „	.885	.063	76.2	74.5	1.7	73.8	.93	76.3	78.7	„	0·1					
8 „	.896	.064	77.7	75.2	2.5	74.2	.89	77.3	78.8	„	0.1					
9 „	.908	.062	79.3	76.0	3.3	74.7	.86	78.9	79.0	NE	0·2					
10 „	.895	.053	80.4	76.2	4.2	74.6	.83	79.9	79.2	„	0.2					
11 „	.871	.048	81.4	76.0	5.4	73.8	.79	80.5	79.5	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	A few pieces of clouds in E hor.; dew falling.	
0	L	A few pieces of clouds in ENE hor.; mist around hor.	
0	B	" "	
0	B	" "	
0	C	Light mist in hor.	
0	C	"	
0	C	Clear.	
0	C	"	
0	L	A few patches of clouds along E hor.	
0	L	"	
0	L	A few pieces of clouds in N and E hor.	
0	L	"	
0	L	A few ≤ above E hor.	
0	B	Clear.	
0	B	"	
0	L	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3. At 4 A. M. the temperature of external and free air was 73°2 least in the month, and about 3°2 lower than the normal mean.
0	B	A few ≤ above E hor.; dew falling.	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	L	A few ≤ above E hor.; dew falling.	
2	L	≤ around hor.; ≤≤ scattered about, moving SSE.	
3	L	≤ around hor.; ≤≤ scattered in W hem., moving S.	
3	B	Clouded as before; mist along W hor.	
3	C	≤ along E hor.; dense ≤≤ scattered about, moving SSE.	
3	C	≤ in E and W hor.; ≤≤ in E hem., moving SE.	
2	C	" " "	
2	C	≤ and ≤≤ scattered about, latter moving SE.	
3	L	Clouded as before.	
4	L	"	
4	L	≤ around hor.; ≤≤ scattered about E hem.	
4	L	≤≤ around hor.; ≤ scattered about.	
5	L	≤≤ along E hor.; ≤ scattered about.	
4	B	" "	
6	B	≤≤ along E hor.; ≤ scattered around hor.	
2	L	≤ scattered around hor.	
1	C	≤ scattered about E hor.	
0	C	Clear, except in hor.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°3.
0	B	A few pieces of clouds in E hor.; dew falling.	
0	B	" "	
1	B	A few ≤ in E; light ≤≤ scattered about, moving SSE; dew falling.	
3	B	Light ≤≤ scattered around hor., moving SE; dew falling.	
2	L	Light ≤≤ and ≤ scattered about hor., former moving SE; dew falling.	
4	L	Light ≤≤ around hor.; ≤ scattered here and there.	
4	B	" "	
3	B	Light ≤≤ and ≤ scattered about hor.; mist along W hor.	
3	C	" "	
4	C	≤ above E and W hor.; light ≤≤ scattered about, moving SE.	
4	C	" " "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 19th-Noon.	29.836	29.067	82°7	75°0	7°7	71°7	0.71	81°4	79°6	NW	0.3					
1 p. m.	.815	.052	83.3	75.0	8.3	71.5	.69	81.5	79.8	„	0.6					
2 „	.791	28.994	83.7	76.0	7.7	72.9	.71	82.2	80.0	„	0.5					
3 „	.785	29.008	83.4	75.4	8.0	72.0	.70	81.9	80.0	„	0.6					
4 „	.788	28.998	82.6	75.5	7.1	72.6	.73	81.1	80.1	„	0.5	None.	None.	None.	None.	None.
5 „	.793	29.001	80.6	75.0	5.6	72.7	.76	79.5	80.1	NW b W	0.2					
6 „	.806	.015	78.8	74.2	4.6	72.2	.81	78.7	80.0	„	0.2					
7 „	.826	.052	78.2	73.8	4.4	71.9	.82	78.2	79.9	NW	0.1					
8 „	.839	.054	77.8	73.8	4.0	72.4	.83	77.7	79.8	„	0·1					
9 „	.850	.062	77.2	73.9	3.3	72.5	.86	77.3	79.7	„	0.0					
10 „	.851	.045	75.5	73.9	1.6	73.2	.93	76.0	79.5	„	0.0					
11 „	.843	.059	74.9	73.1	1.8	72.4	.92	75.6	79.3	„	0.0					
Oct. 20th-Midnight	.839	.056	74.0	72.8	1.2	72.3	.95	75.0	79.1	NW	0.0					
1 a. m.	.826	.060	73.8	72.3	1.5	71.6	.93	74.8	79.0	„	0.0					
2 „	.820	.054	73.8	72.3	1.5	71.6	.93	74.5	78.9	„	0.0					
3 „	.816	.000	75.0	74.0	1.0	73.6	.96	75.1	78.9	„	0.0					
4 „	.820	.018	74.2	73.4	0.8	73.0	.97	74.6	78.8	„	0.0					
5 „	.830	.003	74.0	74.0	0.0	74.0	1.00	74.4	78.6	ENE	0.1					
6 „	.864	.072	73.4	72.9	0.5	72.7	0.98	74.0	78.6	„	0.2					
7 „	.875	.062	75.3	74.0	1.3	73.5	.94	75.5	78.6	„	0.1					
8 „	.891	.065	77.5	75.0	2.5	74.0	.89	77.2	78.8	ESE	0.2					
9 „	.902	.066	79.4	75.8	3.6	74.3	.85	78.8	78.9	E b S	0·2					
10 „	.895	.074	81.5	76.0	5.5	73.8	.78	80.3	79.2	„	0.1	None.	None.	None.	None.	None.
11 „	.873	.056	81.9	76.0	5.9	73.6	.77	80.7	79.4	„	0·1					
Noon.	.845	.063	81.9	75.1	6.8	72.2	.74	80.6	79.5	„	0.1					
1 p. m.	.819	.047	83.2	75.2	8.0	71.8	.70	81.5	79.6	WSW	0 1					
2 „	.800	.045	84.0	75.0	9.0	71.2	.67	82.0	79·9	W	0.1					
3 „	.782	.006	84.2	75.6	8.6	72.0	.68	82.2	80.0	WNW	0.1					
4 „	.783	28.985	83.6	76.0	7.6	72.9	.71	81.6	80.1	„	0.2					
5 „	.793	.970	81.4	76.0	5.4	73.8	.79	80.0	80.0	NW	0.1					
6 „	.805	.966	79.2	75.8	3.4	74.4	.86	79.7	80.0	NW b N	0.1					
7 „	.832	.989	78.8	75.8	3.0	74.6	.88	78.5	79.9	„	0·1					
8 „	.851	29.009	78.4	75.8	2.6	74.6	.89	78.2	79.8	„	0.0					
9 „	.858	.013	78.0	75.6	2.4	74.7	.90	78.0	79.8	„	0.0					
10 „	.856	.038	76.2	74.4	1.8	73.6	.92	76.3	79.6	„	0.0					
11 „	.850	.038	75.2	74.0	1.2	73.4	.95	75.1	79.5	„	0·0					
Oct. 21st-Midnight	.841	.021	74.6	74.0	0.6	73.7	.97	75.0	79.4	NW b N	0.0					
1 a. m.	.832	.016	75.3	74.0	1.3	73.6	.94	75.4	79.3	N b E	0.0					
2 „	.833	.009	75.3	74.3	1.0	73.9	.96	75.6	79.2	„	0.0					
3 „	.830	.018	74.7	73.8	0.9	73.4	.96	75.3	79.0	„	0·0					
4 „	.841	.030	74.8	73.8	1.0	73.4	.96	75.3	79.0	NE	0.0					
5 „	.853	.047	74.6	73.6	1.0	73.2	.96	75.2	78.8	„	0.0					
6 „	.879	.073	74.6	73.6	1.0	73.2	.96	75.0	78.8	NE b E	0.1					
7 „	.896	.058	75.8	74.8	1.0	74.4	.96	76.0	78.8	„	0.1					
8 „	.922	.076	77.5	75.5	2.0	74.7	.92	77·2	78.9	„	0.1					
9 „	.930	.083	78.4	75.8	2.6	74.8	.89	77.8	79.0	ENE	0.1					
10 „	.921	.073	79.8	76.2	3.6	74.4	.84	79.0	79.1	„	0.1	None.	None.	None.	None.	None.
11 „	.889	.052	81.1	76.3	4.8	74.9	.81	80.3	79.4	„	0.1					
Noon.	.859	.008	82.4	77.0	5.4	74.9	.79	81.0	79.5	WSW	0.1					
1 p. m.	.827	28.983	83.0	77.0	6.0	74.6	.77	81.7	79.7	NW b W	0.1					
2 „	.813	.978	83.8	77.0	6.8	74.3	.74	82.2	79.9	WNW	0.6					
3 „	.804	.952	83.8	77.4	6.4	74.9	.76	82.3	80.0	NW	0.5					
4 „	.811	.953	83.2	77.4	5.8	75.1	.77	81·4	80.1	„	0.4					
5 „	.822	.960	81.4	77.0	4.4	75.3	.82	80.3	80.2	„	0.3					
6 „	.834	.986	79.6	76.4	3.2	75.1	.87	79.1	80.1	„	0.3					
7 „	.854	.988	79.2	76.5	2.7	75.4	.88	79.0	80.0	„	0.1					
8 „	.875	.985	78.8	77.0	1.8	76.3	.92	78.9	80.0	„	0.1					
9 „	.885	.990	78.4	77.0	1.4	76.5	.94	78.5	79.9	„	0.0					
10 „	.877	.984	78.2	76.9	1.3	76.4	.94	78.1	79.9	„	0.0					
11 „	.859	.995	77.6	76.0	1.6	75.4	.93	77.8	79.8	NW b N	0.0					

Amount of Clouds 0 — 8.	Observers.	STATE OF THE WEATHER. NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ●≀ cumuli; ⌣≀ cirro-strati; ⌢≀ cumulo-strati; and ≀⌣ nimbi.	REMARKS.
3	C	Light ≀≀ around hor.; ≀ scattered about.	
5	B	" "	
4	B	" "	
7	B	Light ≀≀ around hor., except in S and NW; ≀ scattered throughout.	
7	B	≀≀ in NE, E, and N hor.; ≀ scattered throughout.	
6	B	" "	
5	L	" "	
2	L	Light ≀ scattered about hor.	
0	L	Clear, except in hor.	
0	C	" "	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°3.
0	B	" "	
0	B	A few pieces of clouds in E; dew falling.	
0	L	Clear; dew falling.	
0	L	" "	
0	C	" "	
0	C	A few ≀ along E hor.; mist in hor.	
0	B	" "	
0	B	" "	
0	L	≀≀ scattered along E hor.	
1	L	"	
1	C	≀≀ scattered around hor.; moving SE.	
1	C	" "	
1	B	" "	
1	B	≀≀ along E hor.	
1	L	≀≀ scattered along E hor.; ≀ above hor. from SE to SW.	
1	L	≀ scattered above hor. from SE to SW; ≀ lying along E hor.	
1	C	≀ scattered about.	
1	C	"	
0	B	Clear, except in hor.	
0	B	" "	
0	L	" "	
0	L	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°3.
0	B	" "	
1	B	≀ along E hor.; a few ≀≀ in SW; dew falling.	
0	B	A few ≀ along E hor.; dew falling.	
0	B	" "	
0	L	" "	
2	L	≀ scattered in E hem.; mist along W hor.	
1	L	"	
4	B	≀≀ around hor.; ≀ scattered about; mist in W hor.	
3	C	≀≀ in E hor.; ≀ scattered about; mist in hor.	
2	C	" "	
2	C	≀≀ scattered from N to SE hor.; light ≀ scattered here and there.	
1	C	≀ in W; ≀≀ scattered along E hor.	
1	L	"	
1	L	≀≀ along E hor.; ≀ along W hor.	
1	L	≀ along E hor.; ≀ scattered around hor.	
1	L	" "	
0	L	A few ≀ and ≀≀ here and there observed.	
0	B	A few pieces of clouds here and there observed.	
0	B	Clear, except in hor.	
0	L	A few ≀ in SW and W hor.	
0	C	A few ≀ in SW and W hor.; dew falling.	
2	C	Light ≀ in W; ≀≀ scattered in W hem., moving SE; dew falling.	
0	C	A few pieces of clouds in W, moving SE; dew falling.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct.22nd-Midnight	29.846	28.979	76°6	75°3	0°8	75°5	0.96	76°8	79°6	NW b N	0.0					
1 a. m.	.841	29.003	75·8	74.8	1.0	74.4	.96	76.2	79.6	NW	0.0					
2 „	.833	28.999	75·4	74.6	0.8	74.3	.96	76.1	79.5	NW b N	0.0					
3 „	.832	29.000	75.0	74.4	0.6	74.2	.97	75.8	79.4	„	0.0					
4 „	.841	.009	75.0	74.4	0.6	74.2	.97	75.6	79.3	„	0.0					
5 „	.851	.012	75.0	74.6	0.4	74.4	.98	75.6	79.2	„	0.0					
6 „	.868	.008	75.2	75.2	0.0	75.2	1.00	75.9	79.2	„	0.0					
7 „	.887	28.992	77.0	76.6	0.4	76.5	0.98	77.3	79.2	NNE	0.0					
8 „	.917	29.018	78.0	77.0	1.0	76.6	.96	78.1	79.3	NE b N	0.1					
9 „	.925	.036	78.9	77.0	1.9	76.3	.92	78.8	79.3	NE b E	0.1					
10 „	.916	.017	82.0	78.1	3.9	76.6	.85	82.0	79.5	NW b N	0.2					
11 „	.891	28.990	82.2	78.2	4.0	76.7	.84	81.8	79.8	„	0.3					
Noon.	.860	.934	83.0	79.0	4.0	77.5	.84	81.9	80.0	NW	0.5	None.	None.	None.	None.	None.
1 p. m.	.833	.886	84.2	79.8	4.4	78.2	.83	83.4	80.2	„	1.0					
2 „	.816	.874	84.6	79.8	4.8	78.1	.81	83.4	80.4	NW b N	1.0					
3 „	.813	.877	84.4	79.6	4.8	77.9	.81	83.1	80.6	„	1.0					
4 „	.819	.865	83.9	79.9	4.0	78.5	.84	82.6	80.9	„	0.8					
5 „	.832	.895	82.0	79.0	3.0	77.9	.88	81.1	80.8	„	0.7					
6 „	.848	.950	80.2	77.6	2.6	76.6	.89	80.0	80.7	„	0.5					
7 „	.872	.958	79.5	77.3	1.7	77.1	.93	79.5	80.6	WNW	0.5					
8 „	.884	.981	79.5	77.5	2.0	76.7	.92	79.5	80.6	„	0.6					
9 „	.890	.960	79.5	77.5	2.0	76.7	.92	79.5	80.5	N b W	0.0					
10 „	.890	.994	79.0	77.2	1.8	76.5	.92	78.9	80.5	N	0.2					
11 „	.880	.994	78.4	76.8	1.6	76.1	.93	78.6	80.4	„	0.1					
Oct.24th-Midnight	.861	.955	77·4	77.0	0.4	76.8	.98	77.8	80.5	NNW	0.0					
1 a. m.	.848	.951	77.4	76.8	0.6	76.5	.97	77.8	80.5	„	0.0					
2 „	.838	.955	77.3	76.4	0.9	76.0	.96	77.8	80.4	„	0.0					
3 „	.835	.934	77.1	76.8	0.3	76.7	.99	77.8	80.4	„	0.0					
4 „	.840	29.001	76.4	75.0	1.4	74.4	.94	77.1	80.3	„	0.0					
5 „	.856	.007	76.2	75.2	1.0	74.8	.96	76.9	80.2	„	0.0					
6 „	.879	.032	76.4	75.2	1.2	74.7	.95	76.9	80.1	„	0.0					
7 „	.897	.026	77.0	76.0	1.0	75.6	.96	77.6	80.1	„	0.0					
8 „	.928	.035	78.5	77.0	1.5	76.4	.94	78.8	80.1	ESE	0.1					
9 „	.939	.049	79.9	77.3	2.6	76.3	.89	80.2	80.2	SE b S	0.1					
10 „	.935	.051	81.2	77.5	3.7	76.1	.85	81.0	80.4	„	0.1					
11 „	.912	.025	82.7	78.0	4.7	76.2	.82	81.3	80.5	SW	0.1					
Noon.	.882	.040	83.2	77.0	6.2	74.6	.76	82.0	80.7	„	0.0	None.	None.	None.	None.	None.
1 p. m.	.856	28.994	85.0	78.0	7.0	75.3	.74	83.2	80.9	SW b W	0.1					
2 „	.838	.936	86.3	79.3	7.0	76.7	.74	84.1	81.0	W	0.1					
3 „	.830	.898	86.3	80.0	6.3	77.7	.76	84.2	81.3	WNW	0.1					
4 „	.829	.967	85.0	78.0	7.0	75.3	.74	83.3	81.3	NW	0.1					
5 „	.832	.964	83.0	77.6	5.4	75.5	.79	82.0	81.3	WNW	0.2					
6 „	.843	.931	81.2	78.2	3.0	77.0	.88	80.7	81.2	„	0.1					
7 „	.866	.955	79.8	77.8	2.0	77.0	.92	79.8	81.1	„	0.0					
8 „	.885	.999	78.4	76.8	1.6	76.1	.93	78.6	81.0	„	0.0					
9 „	.886	.971	78.4	77.5	0.9	77.2	.96	78.6	80.9	„	0.0					
10 „	.885	.984	77.8	77.0	0.8	76.7	.96	78.0	80.7	„	0.0					
11 „	.873	.997	77.4	77.0	0.4	76.8	.98	78.0	80.6	„	0.0					
Oct.25th-Midnight	.863	.973	77.0	76.5	0.5	76.3	.98	77.5	80.5	NE b E	0.1					
1 a. m.	.853	.978	76.6	76.0	0.6	75.9	.97	77.3	80.5	„	0.0					
2 „	.844	.995	76.2	75.2	1.0	74.8	.96	76.6	80.4	„	0.0					
3 „	.841	29.003	75.8	74.8	1.0	74.4	.96	76.3	80.2	„	0.0					
4 „	.851	.033	74.8	74.0	0.8	73.6	.97	75.4	80.0	„	0.0					
5 „	.863	.043	74.6	74.0	0.6	73.7	.97	75.4	79.9	„	0.0					
6 „	.886	.076	74.2	73.6	0.6	73.3	.97	75.0	79.7	„	0.0					
7 „	.907	.021	76.2	76.0	0.2	76.1	.99	76.8	79.7	„	0.0	None.	None.	None.	None.	None.
8 „	.932	.035	78.2	76.0	1.2	76.5	.95	78.3	79.8	„	0.2					
9 „	.949	.074	80.2	77.0	3.2	75.8	.87	79.8	79.9	ESE	0.1					
10 „	.947	.062	81.4	77.6	3.8	76.1	.85	80.6	80.1	„	0.0					
11 „	.926	.092	82.5	76.6	5.9	74.3	.77	81.4	80.1	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cu cumuli; Cc cirro-strati; Cu-s cumulo-strati; and Ns nimbi.	
0	C	Clear, except in hor.; dew falling.	Mean daily temperature of ground 20" and 60 inches below its surface 81°4 and 83°3.
0	B	,, ,, ,,	
0	B	,, ,, ,,	
0	B	A few pieces of clouds in E; dew falling.	
1	B	Cci scattered along E hor.; dew falling.	
3	L	Cci scattered about, moving NW; dew falling.	
6	L	Cci scattered throughout, moving W; dew falling.	
7	L	Cci scattered throughout, moving W; mist along W hor.	
8	B	Densely clouded with Cci, moving W; mist in W, NW, and N hor.	
7	C	Cci scattered throughout, moving W; a few Cu-s in E, moving SSE.	
6	C	Cci scattered throughout; Cu-s in N, moving SSE.	
5	C	Cu-s around hor., moving SE; Cci scattered about.	
2	C	Dense Cci scattered about hor., moving SE.	
1	L	,, ,,	
1	L	,, ,,	
1	L	,, ,,	
1	L	Patches of Cci scattered here and there, moving W.	
1	L	,, ,,	
2	B	,, ,,	
2	B.	,, ,,	
2	B	,, ,,	
3	B	,, ,,	
3	B	Cci scattered about hor., moving W; dew falling.	
3	B	Cci scattered about hor., moving WSW; dew falling.	
5	C	Cci scattered about, moving SE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°3.
5	B	Cci scattered about, moving WNW; dew falling.	
7	B	,, ,, ,,	
7	B	,, ,, ,,	
7	B	Densely clouded with Cci, moving W; dew falling.	
8	L	,, ,, ,,	
8	L	Overcast with Cci, moving SW.	
8	L	,, ,,	
8	B	,, ,,	
8	C	Overcast with Cci, moving NW.	
8	C	,, ,,	
5	C	Cci scattered about.	
2	C	Cci scattered about hor.	
0	B	A few patches of Cci here and there observed.	
1	B	Cci scattered along E hor.	
1	B	,,	
1	B	,,	
1	L	,,	
0	L	A few pieces of Cci along E hor.	
0	L	,,	
0	L	Clear, except in hor.	
0	C	Clear; dew falling.	
1	C	Cci scattered along E hor.; dew falling.	
3	C	Cci scattered about, moving W; dew falling.	
3	C	Cci scattered about, moving W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°3.
3	B	,, ,, ,,	
4	B	,, ,, ,,	
3	B	Cci scattered about, moving WNW; dew falling.	
2	B	Cci scattered about hor., moving WNW; dew falling.	
2	L	,, ,, ,,	
2	L	,, ,, ,,	
2	L	Cci scattered about hor., moving W; mist along W hor.	
2	L	,, ,, ,,	
2	C	,, ,, ,,	
2	C	,, ,,	
1	C	Cci scattered along W hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Oct. 25th–Noon.	29.901	29.014	84°2	78°4	5°8	76°2	0.78	83°0	80°5	W b N	0.0					
1 p.m.	.879	28.979	85.4	79.0	6.4	76.6	.76	83.6	80.7	W	0.1					
2 „	.864	.997	86.0	78.4	7.6	75.5	.72	84.1	80.9	NW	0·2					
3 „	.853	.998	85.6	78.0	7.6	75.0	.72	83.8	81.1	NW b N	0.2					
4 „	.857	29.004	85.8	78.0	7.8	75.0	.71	84.0	81.2	„	0.2	None.	None.	None.	None.	None.
5 „	.868	.019	84.0	77.4	6.6	74.8	.75	82.5	81.3	„	0.2					
6 „	.876	.010	81.0	77.0	4.0	75.4	.84	80.5	81.0	„	0.4					
7 „	.901	.036	80.2	77.0	3.2	75.8	.87	79.8	80.9	NNW	0.0					
8 „	.921	.040	79.6	77.0	2.6	76.0	.89	79.5	80.8	„	0.0					
9 „	.925	.037	78.4	76.8	1.6	76.2	.93	78.4	80.6	NW b N	0.0					
10 „	.926	.027	78.0	77.0	1.0	76.6	.96	78.0	80.5	„	0.0					
11 „	.918	.024	77.7	76.8	0.9	76.4	.96	77.8	80.4	NE	0.0					
Oct. 27th–Midnight	.932	.027	77.8	77.1	0.7	76.8	.97	78.1	80.5	NNE	0.1					
1 a.m.	.927	.037	77.0	76.5	0.5	76.3	.98	77.6	80.4	NE b E	0.0					
2 „	.924	.070	76.4	75.4	1.0	75.0	.94	77.1	80.2	„	0.0					
3 „	.921	.081	75.6	74.8	0.8	74.5	.97	76.3	80.1	NNW	0.0					
4 „	.927	.080	75.6	75.0	0.6	74.7	.97	76.0	80.0	„	0.0					
5 „	.942	.124	74.8	74.0	0.8	73.6	.96	75.5	79.8	„	0.0					
6 „	.952	.153	74.5	73.4	1.1	73.0	.95	75.4	79.7	„	0.0					
7 „	.976	.155	76.6	74.6	2.0	73.8	.92	77.0	79.8	NE b N	0.0					
8 „	.992	.202	78.8	74.4	4.4	72.6	.82	78.6	79.9	NE	0.1					
9 „	30.005	.200	80.2	75.2	5.0	73.2	.80	79.6	80.0	„	0.1					
10 „	29.995	.147	81.9	76.8	5.1	74.8	.80	81.0	80.2	„	0.1					
11 „	.972	.121	82.7	77.1	5.6	74.9	.78	81.8	80.2	NNW	0.1	None.				
Noon.	.940	.025	84.4	79.1	5.3	77.2	.80	83.0	80.5	WNW	0.2					
1 p.m.	.918	.049	84.4	78.0	6.4	75.5	.76	82.9	80.6	NW	0.6					
2 „	.900	.031	84.4	78.0	6.4	75.5	.76	83.1	80.8	NW b N	1.0					
3 „	.891	.020	84.2	78.0	6.2	75.6	.76	83.0	81.0	„	0·8					
4 „	.894	.027	83.6	78.0	5.6	75.8	.78	82.1	81.0	„	1.4					
5 „	.900	28.982	81.4	78.4	3.0	77.3	.88	80.4	81.0	NNW	0.8					
6 „	.908	.995	79.6	77.8	1.8	77.1	.93	79.4	80.8	„	0.8					
7 „	.926	29.022	79.0	77.4	1.6	76.8	.93	79.1	80.7	NW b N	0.8		+	3		0·20
8 „	.946	.020	79.2	78.0	1.2	77.5	.95	79.3	80.7	„	0.2		+	8		0.25
9 „	.950	.054	78.6	77.1	1.5	76.5	.94	78.6	80.6	N	0.1		+	20		0·23
10 „	.944	.065	78.0	76.5	1.5	75.9	.94	78.1	80.5	NNW	0.0		+	28	28	0.53
11 „	.933	.051	77.8	76.5	1.3	76.0	.94	78.0	80.5	„	0.0		+	Out of Sc.	30	0.43
Oct. 28th–Midnight	.921	.039	77.8	76.5	1.3	76.0	.94	78.0	80.5	NNW	0.0		+	2		0.36
1 a.m.	.914	.038	76.9	76.1	0.8	75.8	.97	77.3	80.3	„	0.0		+	2		2.13
2 „	.903	.027	76.9	76.1	0.8	75.8	.97	77.2	80.2	„	0.1		+	1		2.01
3 „	.910	.059	76.3	75.3	1.0	74.9	.96	76.6	80.1	„	0.0		+	2		0.45
4 „	.914	.046	75.5	75.0	0.5	75.5	.98	76.1	80.0	ENE	0·0					
5 „	.929	.106	75.0	74.2	0.8	73.8	.97	75.8	79.9	NE b N	0.0					
6 „	.949	.154	74.2	73.2	1.0	72.8	.96	74.5	79.6	„	0·0		+	2		0.05
7 „	.967	.142	76.2	74.6	1.6	73.9	.93	76.6	79.7	„	0.1					
8 „	.985	.121	78.4	76.2	2.2	75.4	.91	78.5	79.8	ENE	0.2					
9 „	30.008	.207	80.2	75.1	5.1	73.0	.79	79.8	79.9	E	0.0					
10 „	.004	.201	81.4	75.5	5.9	73.1	.77	80.9	80.0	„	0.0					
11 „	29.980	.202	83.7	75.5	8.2	72.1	.69	81.9	80.1	„	0·0	None.				
Noon.	.950	.233	84.7	74.2	10.5	69.6	.62	82.9	80.5	„	0.0					
1 p.m.	.927	.055	87.2	78.8	8.4	75.6	.69	85.1	80.6	WNW	0.1		+	5		Above 10m.
2 „	.899	.049	87.0	78.3	8.7	74.8	.68	84.9	80.8	„	0.1		+	1		Above 10m.
3 „	.887	.021	86.6	78.5	8.1	75.4	.70	84.3	81.0	„	0.2		+	3		1.08
4 „	.888	28.981	84.8	79.0	5.8	76.9	.78	83.0	81.0	NW b W	0.7		+	5		Above 10m.
5 „	.895	29.068	82.0	76.3	5.7	74.0	.78	80.8	81.0	NW	0.6		+	5		4.48
6 „	.903	.127	80.0	74.4	5.6	72.0	.78	79.8	80.8	„	0.4		+	2		Above 10m.
7 „	.920	.197	79.4	72.8	6.6	69.8	.74	79.4	80.7	NNW	0·6					
8 „	.941	.196	79.4	73.4	6.0	70.7	.76	79.4	80.6	NW b N	0.5		+	1		Above 10m.
9 „	.954	.126	79.1	75.5	3.6	74.0	.85	79.0	80.5	NNW	0.2		+	Out of Sc.	32	0.33
10 „	.943	.093	77.9	75.0	2.9	74.8	.88	77.3	80.4	„	0.1		+	2		0.17
11 „	.932	.164	76.0	73.0	3.0	71.7	.87	76.3	80.2	„	0.1		+	2		0.14

Amount of Clouds 0 — 8.	Observers.	STATE OF THE WEATHER.	REMARKS.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ≀≀ cumuli; ≀— cirro-strati; ≀≀ cumulo-strati; and ≀≀ nimbi.	
2	C	≀≀ scattered around hor.	
2	B	≀≀ scattered around hor., except in S.	
1	B	" "	
1	B	≀≀ scattered along E hor.	
1	B	"	
1	C	"	
0	C	A few pieces of ≀≀ in NE hor.	
0	C	Clear, except in hor.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
2	C	≀≀ scattered in E hem., moving W; dew falling.	
3	C	≀≀ scattered about, moving SE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°2.
1	B	≀≀ scattered around hor.; dew falling.	
1	B	" "	
2	B	Pieces of ≀≀ scattered about, moving WSW; dew falling.	
2	B	≀≀ scattered about hor., moving WSW; dew falling.	
2	L	" " "	
1	L	≀≀ scattered around hor., moving W.	
2	L	≀≀ scattered around hor. and in N, moving W.	
2	L	≀≀ scattered about, moving W.	
1	C	≀ in W above hor.; ≀≀ scattered about, moving SE.	
0	C	≀ in W above hor.; a few ≀≀ above E hor.	
1	C	≀ in W above hor.; ≀≀ scattered in SE.	
1	C	≀ scattered in NW and W hor.; ≀≀ above E hor.	
1	B	≀≀ scattered along E hor.; ≀ extended along W hor.	
1	B	Clouded as at 1 P. M.	
1	B	"	
1	B	"	
1	B	≀≀ along E hor.; ≀ scattered along W hor.	
0	L	A few pieces of ≀≀ here and there observed.	
0	L	Clear, except in hor.	
0	L	" "	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°2. The height of standard barometer at 9 A. M. was 30.008in. greatest during the month, and 0.091in. greater than the normal mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	" "	
0	L	A few ≀ in NE; mist along W hor.	
0	L	" "	
0	L	A few ≀ above NE, SE, and S hor.; mist along W hor.	
0	C	≀ scattered from NE to SW hor.; mist along W hor.	
1	C	Light ≀ scattered here and there; mist along W hor.	
0	C	Light ≀ scattered about hor. from N to E; light mist along W hor.	
0	C	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few ≀ along E hor.	
0	L	"	
0	L	Clear.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 29th-Midnight	29.931	29.114	74°9	74°4	0°9	73°6	0.96	75°4	80°1	NNW	0.0		+	2		0.12
1 a. m.	.914	.157	74.3	72.2	2.1	71.2	.91	74.6	79.7	„	0·0		+	3		0.18
2 „	·913	.130	74.6	73.0	1.6	72.3	.93	74.8	79.6	„	0·0		+	8		0.24
3 „	.914	.148	73.8	72.3	1.5	71.6	.93	74.4	79.4	NNE	0.0		+	4		0·58
4 „	.913	.170	73.6	71.6	2.0	70.7	.91	74.1	79.2	NE b N	0.0		+	3		0.10
5 „	.930	.181	74.4	72.0	2.4	70.9	.89	74.7	79.1	NE	0.1					
6 „	.942	.191	74.2	72.0	2.2	71.0	.90	74.7	79.0	„	0.3					
7 „	.966	.161	76.0	74.0	2.0	73.2	.91	76.1	79.0	„	0.1					
8 „	.989	.172	78.4	75.0	3.4	73.6	.86	78.0	79.2	„	0·1					
9 „	30.002	.241	80.0	74.0	6.0	71.4	.76	79.3	79.2	„	0.1					
10 „	29.997	.284	81.0	73.0	8.0	69.4	.69	80.2	79.3	„	0.1					
11 „	.978	.263	82.6	73.5	9.1	69.5	.66	81.3	79.5	„	0.1	None.			None.	
Noon.	.954	.132	86.0	77.3	8.7	73.8	.68	83.7	79.8	„	0·1		+	3		5.36
1 p. m.	.920	.035	87.4	79.1	8.3	76.1	.69	84.8	80.3	WNW	0·7		+	1		Above 10m.
2 „	.888	.044	86.9	78.0	8.9	74.6	.68	85.0	80.5	„	0·2		+	1		Above 10m.
3 „	.868	.047	86.6	77.4	9.2	73.8	.67	84.8	80.8	NW	0·4		+	1		Above 10m.
4 „	.858	.031	84.5	77.0	7.5	74.0	.72	82.6	80.8	„	0·6		+	1		Above 10m.
5 „	.872	.136	82.3	74.6	7.7	70.6	.70	81.2	80.7	NW b N	0·4		+	1		Above 10m.
6 „	.879	.126	80.7	74.0	6.7	71.1	.74	80.3	80.6	NNW	0·3					
7 „	.894	.063	80.6	76.0	4.6	74.1	.82	80.2	80.5	„	0.2		+	3		0.56
8 „	.913	.217	79.2	72.0	7.2	68.6	.71	79.1	80.4	„	0.2					
9 „	.920	.196	78·7	72.6	6.1	69.9	.75	78.5	80.3	„	0.0					
10 „	.925	.230	76.0	71.0	5.0	68.6	.79	76.3	80.1	„	0.2					
11 „	.916	.221	76.0	71.0	5.0	68.7	.79	76.3	80.0	„	0.0					
Oct. 31st-Midnight	.904	.171	75.8	72.0	3·8	70.2	.84	76.0	79.8	N b E	0.1		+	10	9	0.30
1 a. m.	.899	·070	76.6	74.8	1.8	74.1	.92	76.8	79.6	NE b E	0.2		+	13	12	0·39
2 „	·891	.084	75.8	74.0	1.8	73.2	.92	76.0	79.5	„	0.1		+	19	18	0·47
3 „	.893	.087	75.9	74.0	1.9	73.2	.92	76.1	79.5	NE	0.0		+	7	6	1.44
4 „	.896	.093	75.5	73.8	1.7	73.1	.93	75.9	79.3	NE b E	0.3		+	5		1.21
5 „	·893	.095	75.5	73.8	1.7	73.1	.93	75.9	79.3	ENE	0.2		+	3		1.13
6 „	.935	.191	75.9	72.3	3.6	70.7	.85	76.1	79.3	„	0.1		+	1		Above 10m.
7 „	.963	.215	77.3	73.0	4.3	70.9	.80	77.9	79.3	„	0.1					
8 „	·974	.184	80.3	75.0	5.3	72.6	.77	79.4	79.4	„	0.1					
9 „	.982	.201	81.6	75.0	6.6	72.2	.74	80.7	79.6	NE b E	0.3					
10 „	.977	.220	83.3	75.0	8.3	71.2	.67	82.5	79.8	ENE	0·2					
11 „	.963	.228	86.6	75.2	11.4	70.3	.60	85.0	80.2	NE	0·1	None.				
Noon.	.933	.200	88.8	75.8	13.0	70.2	.56	86.6	80.6	„	0.2					
1 p. m.	.911	·261	90.5	74.1	16.4	66.6	.43	89.0	81.0	NE b N	0.1					
2 „	.888	.240	91.3	74.3	17·0	66.5	.45	89·6	81.3	„	0·1					
3 „	·873	28.937	89.8	81.0	8.8	77·9	.69	86.2	81.5	NW	0.3		+	1		1.14
4 „	.876	.934	86.6	80.3	6.3	78.1	.76	84.6	81.6	„	0.2					
5 „	.877	.996	84.0	78.2	5.8	76.0	.78	82.7	81.5	NW b N	0.5					
6 „	·894	.965	82.0	78.8	3.2	77.6	.87	81.4	81.3	NNW	0·6		+	4		0.25
7 „	.922	29.047	80.9	77.2	3.7	75.8	.85	80.4	81.2	„	0·4		+	2		0.21
8 „	.940	.038	80.6	77.8	2.8	76.7	.89	80.3	81.2	„	0·3		+	1		Above 10m.
9 „	.943	.026	80.0	78.0	2.0	77.2	.92	80.0	81.1	„	0·3		+	2		0.32
10 „	.957	.112	78.6	75.8	2.8	74.7	.88	78.9	81.0	N	0.1		+	11		0.08
11 „	.949	.119	77.2	75.0	2.2	74.1	.91	77.9	80.8	„	0·0		+	10		0.30
Nov. 1st-Midnight	.938	.174	76.4	73.0	3.4	71.5	.86	76.8	80.6	N	0.0		+	12	27	0.25
1 a. m.	.930	.120	75.2	73.9	1.3	73.3	.84	76.1	80.3	„	0.0		+	Out of Sc.		0·47
2 „	.912	.065	75.0	74.8	0.2	74.7	.99	75.5	80.3	„	0.0		+	9		1.22
3 „	.906	.127	75.4	73.1	2.3	72.1	.90	76.1	80.2	NE	0.0					
4 „	.907	.100	75.8	74.0	1.8	73.2	.92	76.0	79.9	NE b N	0.2		+	4		1.17
5 „	.916	.160	75.6	72.5	3.1	71.2	.87	76.0	79.7	NE	0.2		+	3		0.36
6 „	.932	.156	76.3	73.3	3.0	72.0	.87	76.4	79.6	„	0.1	None.	+	10		0.56
7 „	.949	.199	77.6	73.0	4.6	71.0	.81	77.8	79.6	„	0.1					
8 „	.968	.196	79.0	74.0	5.0	71.8	.80	78.8	79.6	„	0·2					
9 „	.975	.181	81.2	75.2	6.0	72.8	.76	80.6	79.9	„	0·3					
10 „	.963	.165	83.6	76.0	7.6	72.9	.71	82.4	80.1	„	0.1					
11 „	.949	.145	86.6	77.0	9.6	73.1	.65	85.3	80.4	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌢ cumulo-strati; and ≋ nimbi.	
0	C	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°2. The readings of wet bulb thermometer at 10 and 11 P. M., were smallest in the month.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	A few ≀ along E hor.; dew falling.	
1	L	≀ scattered from NE to S hor.; mist along W hor.	
1	L	" "	
2	L	≀ scattered from NE to W hor.; mist in W hor.	
3	B	≀ scattered about hor., except in W; mist along W hor.	
4	B	" " "	
2	B	≀ scattered around hor., except in W.	
4	B	≀ scattered about.	
4	C	"	
3	C	"	
2	C	"	
1	C	≀ scattered from N to SE hor.	
2	B	"	
2	B	"	
1	B	"	
0	B	Clear, except in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°2. The temperature of air at 2 P. M., was 91°3 highest in the month, and about 4°8 higher than the normal mean.
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
1	B	≀ scattered about hor. from W to E.	
2	B	≀ scattered around hor.; mist along W hor.	
2	B	" "	
4	L	≀ scattered about; mist along W hor.	
4	L	" "	
4	L	≀ scattered about.	
3	L	≀ scattered around hor.	
2	C	"	
2	C	"	
4	C	≀ scattered about.	
3	C	"	
4	L	"	
2	L	"	
0	B	Clear, except in hor.	
1	B	≀ scattered along W hor.	
1	B	"	
1	L	≀ scattered along W hor.; dew falling.	
1	L	" "	
0	L	A few ≀ in W and NW.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°2. The height of standard barometer at 9 A. M. was 29.975in. the greatest during the month, and about 0.059in. greater than the normal mean.
0	C	A few ≀ along E hor.; dew falling.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
1	B	≀ scattered along E hor.	
1	B	≀ scattered about hor. from N to SE; mist along W hor.	
2	B	≀ scattered around hor.; mist along W hor.	
1	B	" "	
1	L	≀ scattered along E hor.	
1	L	"	
1	L	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 1st–Noon.	29.926	29.140	89°0	77°2	11°8	72°4	0.59	86°5	80°8	NE	0.0					
1 p. m.	.910	28.955	88.5	81.1	7.4	78.5	.73	85.5	81.0	W b N	0.3		+	4		Above 10m.
2 „	.896	.958	86.9	80.3	6.6	77.9	.76	85.0	81.2	WNW	0.2					
3 „	.886	29.020	87.3	78.7	8.6	75.4	.69	84.5	81.4	NW b W	0.2					
4 „	.891	.030	85.4	78.0	7.4	75.1	.72	83.4	81.4	NW	0.2					
5 „	.899	.008	82.4	78.0	4.4	76.3	.83	82.0	81.4	„	0.1	None.				
6 „	.930	.042	81.2	77.6	3.6	76.2	.86	80.8	81.3	„	0.2					
7 „	.943	.063	80.5	77.2	3.3	75.9	.87	80.3	81.2	NW b N	0.1					
8 „	.972	.097	80.2	77.0	3.2	75.8	.87	80.0	81.1	NNW	0.1					
9 „	.963	.083	79.0	76.8	2.2	75.9	.91	79.0	81.0	„	0.0					
10 „	.956	.094	77.8	76.0	1.8	75.3	.92	78.2	80.8	„	0.0					
11 „	.944	.073	77.0	76.0	1.0	75.6	.96	77.4	80.6	„	0.0		+	8		0.07
Nov. 2nd–Midnight	.926	.069	76.6	75.6	1.0	75.1	.96	77.0	80.4	NNW	0.0		+	2		2.13
1 a. m.	.902	.057	75.8	75.0	0.8	74.7	.97	76.7	80.3	„	0.0					
2 „	.886	.043	75.3	74.8	0.5	74.6	.98	76.0	80.2	„	0.0					
3 „	.876	.040	74.6	74.4	0.2	74.3	.99	75.4	80.0	„	0.0					
4 „	.876	.062	75.2	74.0	1.2	73.5	.95	75.8	79.9	NE	0.1					
5 „	.891	.068	75.0	74.2	0.8	73.8	.97	75.3	79.7	NE b E	0.0					
6 „	.914	.078	75.2	74.6	0.6	74.3	.97	75.6	79.5	ENE	0.0					
7 „	.941	.152	76.1	73.6	2.5	72.6	.89	76.4	79.6	„	0.1					
8 „	.959	.169	77.4	74.0	3.4	72.6	.87	77.4	79.6	„	0.1					
9 „	.975	.139	79.4	75.8	3.6	74.3	.85	79.0	79.7	„	0.2					
10 „	.956	.096	81.5	77.0	4.5	75.2	.82	80.6	79.9	„	0.1					
11 „	.934	.059	83.4	77.9	5.5	75.6	.79	82.2	80.0	NW b N	0.1	None.				
Noon.	.902	28.966	85.2	79.8	5.4	77.9	.79	83.7	80.3	NW	0.2					
1 p. m.	.861	29.046	85.6	77.0	8.6	73.5	.68	83.8	80.6	WNW	0.1					
2 „	.840	28.938	85.4	79.8	5.6	76.7	.79	84.0	80.8	NW b W	0.2					
3 „	.831	.894	85.4	79.9	5.5	77.9	.79	83.5	80.9	„	0.1					
4 „	.829	.897	84.4	79.5	4.9	77.7	.81	82.7	81.1	„	0.2					
5 „	.827	.925	82.5	78.3	4.2	76.7	.83	81.5	81.1	NW b N	0.2					
6 „	.840	.951	80.8	77.5	3.3	76.3	.87	80.5	81.0	NNW	0.1					
7 „	.854	.977	80.0	77.0	3.0	75.8	.88	80.0	80.9	N b W	0.1					
8 „	.871	29.041	79.0	75.5	3.5	74.1	.86	78.9	80.7	„	0.1		+	8	6	0.25
9 „	.867	.122	76.8	72.6	4.2	70.7	.82	77.3	80.5	N	0.0					
10 „	.879	.017	78.6	76.2	2.4	76.3	.90	78.6	80.5	NE b N	0.0					
11 „	.874	.017	78.3	76.0	2.3	75.1	.90	78.0	80.3	NE	0.0					
Nov. 3rd–Midnight	.863	.049	76.9	74.5	2.4	73.5	.90	77.0	80.2	NE b E	0.0		+	1		Above 10m.
1 a. m.	.849	.040	75.6	74.0	1.6	73.3	.93	76.0	80.0	„	0.0		+	3		1.34
2 „	.842	.011	75.7	74.6	1.1	74.1	.95	76.0	79.8	„	0.0		+	7		3.19
3 „	.830	.016	75.2	74.0	1.2	73.5	.95	75.5	79.6	„	0.0		+	4		1.15
4 „	.830	.001	74.9	72.9	2.0	72.0	.91	75.4	79.4	„	0.0		+	3		2.38
5 „	.845	.060	75.2	73.2	2.0	72.4	.91	75.6	79.5	„	0.2		+	1		Above 10m.
6 „	.862	.104	74.3	72.3	2.0	71.3	.91	74.5	79.3	„	0.0		+	16	15	0.36
7 „	.885	.096	75.8	73.5	2.3	72.6	.90	76.2	79.3	„	0.0		+	4		0.25
8 „	.895	.060	78.5	75.5	3.0	74.3	.88	78.3	79.4	„	0.1		+	1		1.13
9 „	.896	.041	80.6	76.6	4.0	75.0	.84	80.0	79.7	„	0.1		+	2		1.00
10 „	.891	.010	81.5	77.5	4.0	76.0	.84	80.7	79.9	WNW	0.1		+	4		0.40
11 „	.865	28.998	82.4	77.4	5.0	75.5	.80	81.4	80.0	NW b N	0.1	None.				
Noon.	.842	29.045	84.1	76.1	8.0	72.9	.70	82.6	80.2	NW	0.1					
1 p. m.	.820	.072	84.6	75.0	9.6	70.9	.62	83.1	80.5	„	0.2					
2 „	.804	28.953	86.0	78.0	8.0	74.9	.70	84.5	80.7	„	0.4					
3 „	.789	.860	86.5	80.0	6.5	77.6	.77	85.0	81.2	„	0.3					
4 „	.786	29.042	86.4	75.4	11.0	70.7	.61	84.1	81.2	„	0.2					
5 „	.781	28.977	83.8	76.2	7.6	73.1	.71	82.2	81.2	„	0.3		+	1		Above 10m.
6 „	.797	29.007	81.6	75.2	6.4	72.6	.75	80.9	81.0	NW b N	0.1		+	4		2.03
7 „	.814	.005	80.5	75.4	5.1	73.3	.80	80.1	80.9	„	0.1		+	19	17	0.52
8 „	.826	.005	79.8	75.5	4.3	73.8	.83	79.6	80.7	N b W	0.0		+	10		1.02
9 „	.826	.030	78.6	74.5	4.1	72.8	.83	78.7	80.7	„	0.0		+	12	10	0.19
10 „	.823	.031	77.8	74.2	3.6	72.7	.85	77.2	80.6	N	0.0		+	3		0.40
11 „	.825	.034	76.6	73.8	2.8	72.6	.88	76.6	80.4	„	0.0		+	Out of Sc.	25	0.10

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤⌒ nimbi.	
1	L	≤ scattered along E hor.	
1	C	"	
1	C	≤ scattered around hor.	
1	C	"	
0	C	A few ≤ in W hor.	
0	C	A few ≤ in W and N hor.	
0	B	"	
0	B	Clear, except in hor.	
0	B	" "	
0	N	" "	
0	N	A few ≤ above SW hor.	
0	N	Clear; dew falling.	
0	N	Clear, except in hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°2.
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	B	A few ≤ in E; dew falling copiously.	
0	B	" "	
1	B	≤ scattered about hor.; mist from W to N hor.	
1	B	" "	
0	N	Mist around hor.	
1	N	≤ scattered along W hor.; mist around hor.	
1	N	" "	
1	N	" "	
1	C	≤ scattered along E hor.	
0	C	A few clouds in E and W hor.	
0	C	A few ≤ above N hor.; otherwise clear.	
0	C	" "	
0	C	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	N	"	
0	N	"	
0	G	"	
0	G	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°3.
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	Mist along W hor.; dew falling.	
0	B	" "	
0	B	A few pieces of ≤≤; mist along W hor.	
0	L	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	A few pieces of ≤≤ in NE, moving S.	
0	C	Pieces of ≤≤ along E hor., moving S.	
0	C	A few pieces of ≤≤ in ENE hor.	
0	C	Clear.	
0	L	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	L	Clear; dew falling.	
0	L	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 4th-Midnight	29.811	29.008	76°2	74°0	2°2	73°1	0.91	77°2	80°2	N b W	0.0		+	6		0.25
1 a. m.	.792	28.985	75.8	74.0	1.8	73.2	.92	76.1	80.1	„	0.0		+	21	20	0.28
2 „	.792	29.013	75.0	73.0	2.0	72.1	.91	75.5	80.0	„	0.0		+	19	18	0.59
3 „	.795	.059	74.6	71.7	2.9	70.4	.87	75.3	79.7	„	0.0		+	2		4.00
4 „	.801	.045	73.7	72.0	1.7	71.2	.82	74.9	79.5	„	0.0					
5 „	.814	.053	73.6	72.4	1.2	71.8	.95	74.6	79.3	„	0.0		+	10		0.31
6 „	.838	.105	73.6	71.3	2.3	70.2	.90	74.2	79.2	„	0.0		+	4		2.08
7 „	.862	.057	75.6	73.9	1.7	73.2	.93	76.4	79.3	„	0.0		+	11		0.14
8 „	.887	.104	78.0	74.0	4.0	72.3	.83	77.7	79.4	NE	0.0					
9 „	.896	.121	79.4	74.2	5.2	72.0	.79	78.9	79.6	ENE	0.1					
10 „	.887	.128	80.2	74.0	6.2	71.3	.75	79.6	79.7	„	0.1					
11 „	.874	.163	81.8	73.2	8.6	69.3	.67	80.7	79.9	„	0.0					
Noon.	.839	.064	83.6	75.4	8.2	72.0	.69	82.0	80.1	W	0.0					
1 p. m.	.818	.033	84.8	76.0	8.8	72.3	.67	83.2	80.3	WNW	0.1	None.				
2 „	.800	.019	85.2	76.0	9.2	72.2	.66	83.3	80.5	„	0.1		+	1		0.37
3 „	.793	.051	85.2	75.0	10.2	70.6	.63	83.0	80.7	„	0.2					
4 „	.791	.019	84.6	75.6	9.0	71.8	.67	82.5	80.8	NW	0.2					
5 „	.795	28.996	82.8	75.8	7.0	73.0	.73	81.4	80.8	„	0.3					
6 „	.815	.955	81.6	76.6	5.0	75.2	.80	80.8	80.7	„	0.2					
7 „	.833	.993	80.6	76.2	4.4	74.5	.82	80.3	80.7	NW b N	0.1					
8 „	.853	29.013	79.8	76.0	3.8	74.5	.85	79.5	80.7	„	0.2					
9 „	.864	.080	78.8	74.2	4.6	72.3	.82	78.6	80.6	„	0.0		+	5		0.08
10 „	.858	.076	76.8	73.6	3.2	72.2	.87	77.2	80.4	N b W	0.1		+	2		0.08
11 „	.858	.059	77.2	74.2	3.0	73.0	.87	77.6	80.3	NE	0.1					
Nov. 5th-Midnight	.843	.077	76.2	73.0	3.2	71.6	.87	76.4	80.2	ENE	0.0		+	3		1.30
1 a. m.	.834	.069	75.2	72.7	2.5	71.6	.89	75.6	80.0	„	0.0		+	1		2.00
2 „	.828	.090	74.7	71.8	2.9	70.5	.87	75.3	79.6	„	0.0		+	2		1.42
3 „	.830	.122	74.8	71.0	3.8	69.2	.83	75.3	79.5	„	0.0					
4 „	.840	.098	75.0	72.0	3.0	70.6	.87	75.5	79.4	„	0.0		+	2		3.24
5 „	.859	.110	74.4	72.0	2.4	70.9	.89	75.1	79.3	„	0.0		+	1		Above 10m.
6 „	.874	.121	74.0	72.0	2.0	71.1	.91	74.6	79.2	„	0.0		+	5		0.11
7 „	.897	.129	76.0	73.0	3.0	71.7	.87	76.1	79.2	„	0.2					
8 „	.919	.164	77.8	73.2	4.6	71.2	.81	77.4	79.3	„	0.1					
9 „	.927	.150	79.6	74.3	5.3	72.0	.79	78.9	79.5	„	0.1					
10 „	.923	.156	81.2	74.5	6.7	71.6	.74	80.3	79.7	„	0.1					
11 „	.912	.194	82.6	73.6	9.0	69.6	.66	81.5	79.9	„	0.1					
Noon.	.891	.196	84.6	73.6	11.0	68.6	.60	82.8	80.1	„	0.0	None.				
1 p. m.	.866	.206	85.7	73.0	12.7	67.0	.55	83.3	80.3	W b S	0.0		+	1		Above 10m.
2 „	.847	.117	87.0	75.2	11.8	70.1	.58	84.6	80.6	W b N	0.1		+	1		Above 10m.
3 „	.843	.111	86.8	75.2	11.6	70.2	.59	84.3	80.8	W	0.1		+	1		Above 10m.
4 „	.840	.066	85.8	76.0	9.8	71.9	.65	83.8	81.0	„	0.2		+	1		Above 10m.
5 „	.848	.082	83.0	75.0	8.0	71.6	.70	81.6	81.0	„	0.1					
6 „	.869	.114	81.2	74.2	7.0	71.2	.73	81.0	80.8	NW b W	0.2					
7 „	.891	.088	81.0	75.4	5.6	73.1	.78	80.6	80.8	NW	0.4					
8 „	.916	.151	79.6	74.0	5.6	71.6	.78	79.4	80.7	NW b N	0.0		+	15	12	0.13
9 „	.927	.148	78.4	74.0	4.4	72.1	.82	78.2	80.5	N b W	0.0					
10 „	.926	.193	77.5	72.5	5.0	70.2	.79	77.7	80.3	N	0.0					
11 „	.918	.156	78.2	73.5	4.7	71.4	.81	78.2	80.3	N b E	0.0		+	1		Above 10m.
Nov. 7th-Midnight	.873	.033	77.0	75.2	1.8	74.5	.92	77.0	Instrument was out of order.	N	0.0		+	10		2.30
1 a. m.	.839	.006	76.9	75.0	1.9	74.2	.92	77.0		NNE	0.0		+	3		0.36
2 „	.829	.036	76.4	73.8	2.6	72.7	.89	76.0		„	0.0		+	2		1.00
3 „	.818	.099	75.5	71.5	4.0	69.7	.83	76.2		NE b N	0.0		+	2		1.15
4 „	.812	.117	76.0	71.0	5.0	68.6	.79	76.2		E b N	0.3		+	2		1.10
5 „	.838	.136	75.4	71.0	4.4	68.9	.81	75.6		ENE	0.0	None.	+	1	None.	Above 10m.
6 „	.863	.140	75.8	71.7	4.1	69.8	.83	76.0		NE	0.0					
7 „	.893	.155	77.0	72.5	4.5	70.5	.81	77.2		NE b E	0.1					
8 „	.918	.220	79.0	72.0	7.0	68.7	.72	78.5		ENE	0.1					
9 „	.928	.199	81.6	73.6	8.0	70.1	.69	80.9		„	0.2					
10 „	.922	.157	83.8	75.2	8.6	71.6	.68	82.5		„	0.1					
11 „	.897	.094	84.6	76.4	8.2	73.1	.69	83.1		„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩⌣≀ cumulo-strati; and ⌣≀ nimbi.	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
1	B	≀≀ and mist scattered along W hor.	
1	B	"	
3	B	Light ≀≀ scattered about, moving SSE; mist along W hor.	
1	L	Light ≀≀ and mist along W hor.	
0	L	A few pieces of ≀≀ in SW hor.; mist in W, NW, and N hor.	
0	L	Mist in W, NW, and N hor.	
0	L	Clear.	
0	L	"	
0	C	"	
0	C	A few pieces of ≀≀ in E hor.	
0	C	Clear.	
0	L	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	L	Clear; dew falling.	
0	L	" "	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°1.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	"	
0	B	A few pieces of ≀≀ in W hor.; mist along W hor.	
0	L	Mist along W hor.	
0	L	"	
0	L	"	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	L	A few pieces of clouds in E.	
0	L	Clear.	
0	L	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few pieces of clouds in W.	
2	L	≀≀ scattered about hor. from S to N, moving NW.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°1.
1	C	≀≀ scattered along W hor.; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Pieces of ≀≀ above E and W hor.; dew falling.	
0	B	Pieces of ≀≀ scattered here and there; mist along W hor.	
0	B	" "	
0	B	A few pieces of clouds above S and E hor.; mist along W hor.	
0	L	Pieces of clouds above S and E hor.; mist along W hor.	
0	L	" "	
0	L	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of time in recovering same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 7th-Noon.	29.868	29.207	87°0	73°4	13°6	67°1	0.53	85°3	Instr. was out of order.	ENE	0.0					
1 p. m.	.859	.044	88.9	77.9	11.0	73.5	.62	87.0		WNW	0.1					
2 „	.805	28.988	87.6	77.6	10.0	73.6	.65	86.0	81·5	NW b W	0.1					
3 „	.799	.961	87.2	78.0	9.2	74.4	.67	85.0	81.5	NW	0.3					
4 „	.795	.961	86.2	77.9	8.3	74.3	.69	84.8	81.5	„	0·4					
5 „	.800	.960	83.4	77.0	6.4	74.5	.75	82.5	81.4	NW b N	0·4					
6 „	.825	29.002	81.4	76.0	5.4	73.8	.79	81.2	81.2	N b W	0.6	None.	+	4	None.	0.33
7 „	.849	.059	80.8	75.0	5.8	72.6	.77	80.9	81.1	„	0.6		+	4		3.48
8 „	.868	.132	80.6	73.5	7.1	70.4	.72	80.6	81.1	„	0.8		+	1		Above 10m.
9 „	.872	.184	80.9	72.3	8.6	68.3	.67	80.8	81.0	„	1.2		+	1		Above 10m.
10 „	.870	.170	78.8	72.0	6.8	68.8	.73	79.0	80.8	N	0.0		+	2		3.00
11 „	.853	.190	76.8	70.2	6.6	66.9	.73	77.0	80.5	„	0.0		+	1		Above 10m.
Nov. 8th-Midnight	.840	.159	76.0	70.6	5.4	68.0	.77	76.4	80.1	N	0.0		+	4		0.25
1 a. m.	.829	.035	77.0	74.0	3.0	72.8	.87	77.2	80.0	„	0·0		+	1		Above 10m.
2 „	.825	.081	78.2	73.0	5.2	70.7	.79	77.5	80.0	ENE	0.0		+	4		0.44
3 „	.810	.097	76.4	71.5	4.9	69.3	.79	77.0	79.9	„	0.0		+	2		Above 10m.
4 „	.811	.120	76.4	71.0	5.4	68.4	.77	76.7	79.8	„	0.2		+	2		Above 10m.
5 „	.850	.190	76.0	70.0	6.0	67.0	.75	76.3	79.5	„	0.0		+	1		Above 10m.
6 „	.880	.047	76.4	72.2	4.2	70.2	.82	76.8	79.4	„	0.0		+	1		Above 10m.
7 „	.908	.161	77.9	73.0	4.9	70.8	.80	78.1	79.6	„	0.1		+	1		Above 10m.
8 „	.930	.201	79.5	73.0	6.5	70.1	.74	79.3	79.9	„	0.1		+	1		1.08
9 „	.944	.150	81.2	75.2	6.0	72.8	.76	80.7	80.2	„	0.2		+	8	6	4.00
10 „	.936	.175	82.8	74.8	8.0	71.4	.69	82.0	80.5	„	0·2					
11 „	.915	.310	85.4	71.4	14.0	64.4	.51	83.8	80.9	„	0·1					
Noon.	.891	.299	87.2	71.6	15.6	63.7	.47	84.5	81.3	„	0.0	None.				
1 p. m.	.860	.274	89.1	72.0	17.1	63.4	.44	86.4	81.4	NW	0.1					
2 „	.831	.270	89.1	71.3	17.8	62.1	.42	87.0	81.4	„	0.2					
3 „	.817	.114	88.7	75.0	13.7	69.0	.54	86.7	81.7	„	0.2					
4 „	.817	.048	88.0	76.5	11.5	71.7	.60	86.0	82.0	NW b N	0.3					
5 „	.824	.037	84.6	76.0	8.6	72.5	.68	83.6	82.0	NNW	0.6		+	1		Above 10m.
6 „	.842	.139	82.6	73.2	9.4	69.0	.65	82.0	81.7	„	1.0		+	1		Above 10m.
7 „	.866	.175	81.8	72.8	9.0	68.4	.66	81.5	81.5	„	0.7		+	2		Above 10m.
8 „	.886	.163	81.8	73.5	8.3	69.8	.68	81.5	81.4	„	1.2		+	2		Above 10m.
9 „	.894	.144	81.0	74.0	7.0	71.6	.73	80.6	81.3	N	0.3		+	2		3·28
10 „	.893	.250	78.2	70.2	8.0	66.2	.68	79.0	81.0	NNE	0.0					
11 „	.890	.264	77.2	69.4	7.8	65.4	.69	77.9	80.6	„	0·0					
Nov. 9th-Midnight	.884	.198	76.8	71.0	5.8	68.2	.76	77.2	80.3	NNE	0.0		+	1		Above 10m.
1 a. m.	.881	.193	76.6	71.0	5.6	68.3	.77	77.0	80.5	N b E	0.0		+	1		Above 10m.
2 „	.859	.150	78.0	72.0	6.0	69.2	.76	78.4	80.3	NE	0.1		+	1		Above 10m.
3 „	.839	.060	78.4	74.0	4.4	72.1	.82	78.4	80.3	ENE	0.2		+	1		Above 10m.
4 „	.855	.125	77.8	72.5	5.3	70.1	.78	78.0	80.5	NE b E	0.3		+	1		
5 „	.880	.139	77.8	72.8	5.0	70.6	.79	78.0	80.3	„	0.0		+	4	4	0.36
6 „	.905	.193	76.1	71.5	4.6	69.3	.81	76.5	79.9	„	0.1		+	1		Above 10m.
7 „	.926	.218	76.5	71.5	5.0	69.2	.79	77.0	79.8	„	0·0		+	20	20	0.37
8 „	.948	.240	79.8	72.5	7.3	69.2	.71	79.5	80.1	„	0.0					
9 „	.957	.229	83.0	74.0	9.0	70.0	.66	82.0	80.7	„	0.1					
10 „	.952	.321	84.4	71.8	12.6	65.6	.55	82.9	81.0	„	0.1		+	1		Above 10m.
11 „	.930	.254	86.3	73.6	12.7	67.8	·55	84.3	81.3	„	0.0		+	4		Above 10m.
Noon.	.906	.281	87.6	72.6	15.0	65.4	.49	85.6	81.5	„	0.1	None.				
1 p. m.	.878	.090	88.1	77.0	11.1	72.5	.61	86.2	81.7	W b N	0.1		+	1		Above 10m.
2 „	.859	.109	88.0	76.0	12.0	71.0	.58	86.4	81.9	NW	0.3		+	1		Above 10m.
3 „	.847	.068	87.1	76.5	10.6	72.1	.62	85.6	82.2	NW b W	0·2		+	1		Above 10m.
4 „	.857	.097	86.1	74.0	12.1	71.4	.57	84.5	82.2	W	0.4		+	1		4.19
5 „	.861	.161	82.8	73.2	9.6	68.9	.64	82.0	81.9	NNW	1.0		+	2		3.30
6 „	.876	.187	81.5	72.5	9.0	68.3	.66	81.1	81.7	„	0.8		+	2		2·29
7 „	.894	.216	80.8	72.0	8.8	67.8	.66	80.5	81.5	NW b N	1·0		+	2		Above 10m.
8 „	.919	.179	80.6	73.6	7.0	70.5	.73	80.4	81.3	„	0.6		+	4		0.36
9 „	.927	.128	80.0	75.0	5.0	73.0	.80	80.0	81.2	NNW	0.0		+	4		0.43
10 „	.923	.209	78.2	72.2	6.0	69.4	.76	79.0	81.1	„	0.1		+	9		0.50
11 „	.905	.194	77.8	72.0	5.8	69.3	.76	78.4	81.0	„	0·0		+	6		1.20

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀_ cirro-strati; ∩_ cumulo-strati; and ∩_ nimbi.	
1	L	≀≀ and ≀ scattered along E hor.	
1	C	≀≀ scattered around hor.	
1	C	≀≀ scattered along E hor.	
1	C	"	
1	C	"	
1	L	≀≀ scattered along E hor. and in W of zth.	
1	B	≀≀ scattered from NE to SE hor.	
1	B	"	
4	B	≀≀ scattered about, moving WNW.	
3	B	" "	
1	L	≀≀ scattered around hor.	
0	L	Clear, except in hor.	
0	L	A few pieces of ≀≀ in E above hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°2.
0	C	A few clouds above E hor.; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
1	B	≀≀ scattered along E hor.; dew falling.	
2	B	≀≀ scattered around hor., except in S; mist along W hor.	
0	B	A few pieces of ≀≀ scattered here and there; mist along W hor.	
0	B	A few pieces of ≀≀ above NE hor.; mist along W hor.	
0	L	A few pieces of ≀≀ above ESE hor.; mist along W hor.	
0	L	" "	
0	L	" "	
0	L	A few pieces of ≀≀ in E and ESE hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	A few pieces of ≀≀ in E hor.	
0	L	"	
0	B	"	
0	B	Clear, except in hor.	
0	B	A few pieces of ≀≀ in E.	
0	B	A few pieces of ≀≀ in E and S.	
0	L	Pieces of ≀≀ in E, SE, and about zth.	
1	L	Pieces of ≀≀ scattered in E hem., moving NW.	
1	L	Pieces of ≀≀ scattered about, moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°2.
4	C	≀≀ scattered about, moving N.	
3	C	" "	
3	C	" "	
6	C	" "	
5	B	" "	
6	B	" "	
7	B	≀≀ scattered about; thick mist around hor.	
7	B	" "	
5	L	≀≀ scattered about, moving NW; mist along W hor.	
4	L	" " "	
3	L	" " "	
1	L	Pieces of ≀≀ scattered about hor., moving NW.	
1	C	Pieces of ≀≀ scattered along E hor.	
1	C	≀≀ along E hor.; ≀ scattered about zth., latter moving E.	
2	C	≀≀ scattered along E hor.; ≀ about zth.	
2	C	≀≀ around hor., moving WNW; ≀ scattered about zth.	
2	L	≀≀ scattered about hor., moving N.	
2	B	" "	
2	B	" "	
4	B	≀≀ scattered about, moving N.	
3	B	" "	
2	L	≀≀ scattered about hor., moving NE.	
6	L	≀≀ scattered throughout, moving N.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By New-man's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 10th-Midnight	29.891	29.161	77°4	72°4	5°0	70°1	0.79	78°2	80°7	NNW	0.0		+	5		1.30
1 a. m.	.876	.152	76.6	72.0	4.6	69.9	.81	77.1	80.5	,,	0·0		+	13		2.33
2 ,,	.869	.113	76.4	72.8	3.6	71.2	.85	77.1	80.3	,,	0·0		+	11		1·48
3 ,,	.861	.133	75.3	71.7	3.6	70.0	.85	76.3	80.0	,,	0.0		+	21	20	0.53
4 ,,	.852	.192	76.0	70.0	6.0	67.0	.75	77.0	80.0	N b E	0·0		+	4		3·30
5 ,,	.863	.235	75.8	69.0	6.8	65.5	.72	76.1	79.9	,,	0·0		+	3		4.28
6 ,,	.882	.255	74.5	68.5	6.0	65.4	.75	75.3	79.6	,,	0.1		+	1		Above 10m.
7 ,,	.902	.156	78.0	73.0	5.0	70.8	.79	78.0	79.7	NE	0.1		+	12	10	1.54
8 ,,	.925	.172	80.7	74.0	6.7	71.1	.74	80.0	80.1	,,	0.1		+	13	12	2.28
9 ,,	.926	.202	82.4	74.0	8.4	69.9	.68	81.4	80.5	,,	0.0		+	11	10	3.30
10 ,,	.918	.134	84.2	75.8	8.4	72.3	.69	82.8	80.9	,,	0.0		+	11	10	3.30
11 ,,	.897	.240	86.0	73.0	13.0	66.9	.54	85.0	81.2	,,	0·0	None.	+	2		Above 10m.
Noon.	.865	.106	88.6	76.4	12.2	71.3	.58	85.9	81.7	NW	0.1		+	9		Above 10m.
1 p. m.	.840	.139	88.9	75.0	13.9	68.9	.53	87.2	81.8	NW b W	0.1		+	1		Above 10m.
2 ,,	.820	.044	88.8	76.9	11.9	72.0	.59	86.5	82.0	,,	0.1		+	1		Above 10m.
3 ,,	.808	.019	88.0	77.0	11.0	72.6	.61	86.0	82.3	,,	0·2		+	1		Above 10m.
4 ,,	.813	.030	86.8	76.5	10.3	72.3	.63	85.0	82.3	NW	0.2		+	2		Above 10m.
5 ,,	.826	.059	83.4	75.4	8.0	72.0	.70	82.3	81.9	,,	0·6		+	2		Above 10m.
6 ,,	.844	.072	81.8	74.8	7.0	71.8	.73	81.5	81.6	,,	0·4		+	5		0.44
7 ,,	.874	.117	81.4	74.3	7.1	71.2	.71	81.2	81.5	,,	0.2		+	6		0.35
8 ,,	.890	.214	81.0	72.0	9.0	67.8	.66	80.8	81.5	NNW	0·0		+	4		2.06
9 ,,	.902	.169	79.2	73.0	6.2	70.2	.75	79.2	81.4	,,	0.0		+	6		3.06
10 ,,	.891	.206	78.2	71.4	6.8	68.1	.73	78.9	81.1	,,	0.0		+	2		Above 10m.
11 ,,	.879	.163	79·4	72.6	6.8	69.5	.73	79.7	81.1	,,	0.0		+	4		0.25
Nov. 11th-Midnight	.858	.093	79.6	74.0	5.6	71.6	.77	79.8	81.1	NNW	0.0		+	1		Above 10m.
1 a. m.	.843	.034	79.1	75.0	4.1	73.3	.83	79.5	81.0	,,	0.1		+	Out of Sc.	30	1.18
2 ,,	.831	.046	77.9	74.1	3.8	72.4	.84	78.5	80.8	E	0.0					
3 ,,	.823	.037	77.8	74.1	3.7	72.4	.85	78.4	80.7	,,	0·0		+	1		Above 10m.
4 ,,	.816	.054	76.2	72.9	3.3	71.4	.86	76.9	80.5	,,	0.0		+	1		Above 10m.
5 ,,	.839	.100	76.3	72.3	4.0	70.5	.83	77.0	80.1	,,	0·0		+	1		Above 10m.
6 ,,	.861	.125	76 6	72.3	4.3	70.4	.82	77.3	80.0	NE	0.1		+	1		Above 10m.
7 ,,	.883	.143	76.8	72.6	4.2	70.7	.82	77.3	80.0	N	0.1		+	3		2.04
8 ,,	.907	.132	78.7	74.0	4.7	72.0	.81	78.7	80.2	NE b N	0.1					
9 ,,	.910	.149	81.4	74.4	7.0	71.4	.73	80.8	80·5	,,	0.2		+	4		1.30
10 ,,	.902	.136	83.0	75.0	8.0	71.6	.70	82.4	81.0	NNE	0.3		+	4		1.30
11 ,,	.885	.104	85.2	76.0	9.2	72.2	.66	84.0	81.5	NE b N	0.1	None.	+	3		2.00
Noon.	.861	.186	87.2	73.8	13.4	67.7	.54	85.2	81.9	NE	0.0		+	1		Above 10m.
1 p. m.	.841	.112	89.2	75.8	13.4	70.1	.55	86.6	82.2	SW b W	0.0		+	2		Above 10m.
2 ,,	.817	28.951	90.0	79.4	10.6	75.4	.63	87.5	82.5	S b W	0.2		+	12	10	1.15
3 ,,	.812	.886	88.8	80.5	8.3	77.5	.70	86.3	82.5	WNW	0.3		+	17	15	0.44
4 ,,	.810	.919	86.2	79.0	7.2	76.3	.77	84.5	82.4	,,	0.2		+	6		Above 10m.
5 ,,	.821	.941	83.4	78.0	5.4	75.9	.79	82.5	82.2	,,	0.2		+	8		0.30
6 ,,	.844	29.024	81.6	76.0	5.6	73.7	.78	81.5	82.0	NW	0.1		+	4		0.48
7 ,,	.867	.042	81.2	76.0	5.2	73.9	.79	81.2	82.0	,,	0.1		+	4		0.40
8 ,,	.888	.097	80.7	75.0	5.7	72.6	.77	80.7	81.9	,,	0·0		+	6		0.54
9 ,,	.889	.164	79.0	73.0	6.0	70.3	.76	79.3	81.6	,,	0.0		+	4		1.26
10 ,,	.877	.126	78.2	73·2	5.0	71.0	.79	78.8	81.3	,,	0.0		+	12		0.40
11 ,,	.866	.062	78.4	74.4	4.0	72.8	.83	79.0	81.2	,,	0.0		+	6		1.30
Nov. 12th-Midnight	.851	28.965	79.2	77.0	2.2	76.1	.91	79.5	81.2	NW	0.0		+	7		1.00
1 a. m.	.839	.963	78.4	76.4	2.0	75.6	.92	79.0	81.1	,,	0.0		+	15	14	0.25
2 ,,	.830	.965	78.3	76.2	2.1	75.4	.91	79.0	81.0	,,	0·0		+	9	7	1.47
3 ,,	.827	29.004	77.8	75.0	2.8	73.8	.88	78.2	80.9	NNE	0.0		+	1		5.00
4 ,,	.809	28.995	77.6	74.7	2.9	73.5	.88	78.0	80.9	NE b N	0.1		+	1		3.19
5 ,,	.819	29.031	77.5	74.0	3.5	72.5	.85	78.0	80.7	,,	0.0					
6 ,,	.857	.096	77.3	73.5	3.8	71.4	.84	77.5	80.5	NE	0.1	None.				
7 ,,	.885	.075	78.3	74.8	3.5	73.3	.85	78.5	80.5	ENE	0·1					
8 ,,	.909	.134	80.5	74.5	6.0	72.0	.76	80.2	80.8	E	0.1					
9 ,,	.924	.107	82.9	76.3	6.6	73.6	.75	82.0	81.2	,,	0·1					
10 ,,	.916	.087	84.4	77.0	7.4	74.1	.72	83.3	81.5	,,	0.1					
11 ,,	.896	.093	86.7	77.0	9.7	73.1	.75	85.1	81.7	,,	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≋ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
7	L	≋ scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°3.
7	C	" "	
6	C	" "	
6	C	" "	
6	C	" "	
4	B	" "	
2	B	" "	
2	B	≋ scattered about hor., moving N; mist along W hor.	
2	B	" " "	
2	B	≀ and ≋ scattered about hor.; mist along W hor.	
2	L	≀ scattered around hor.; mist along W hor.	
2	L	" "	
2	L	" "	
4	L	≀ scattered about, moving NE.	
4	C	" "	
3	C	" "	
4	C	≋ along E hor.; ≀ scattered about.	
7	C	≋ and ≀ scattered about, both moving NE.	
7	B	≀ about W hor.; ≋ scattered throughout.	
7	B	≋ scattered throughout, moving NE.	
7	B	A few ≀ in E; ≋ scattered throughout.	
7	B	≋ scattered throughout, moving NE.	
7	B	" "	
6	L	" "	
7	L	" "	
8	L	≋ scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°4.
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀ and ≋; a few stars dimly visible.	
8	B	" "	
8	B	Overcast with ≀ and ≋; mist along W hor.	
8	B	≋ in E and W; otherwise clouded with ≀, moving NE; mist from W to N hor.	
8	B	A few ≋ in W; ≀ scattered throughout, moving NE; mist along W hor.	
5	L	≀ and ≋ scattered throughout, former moving NE; mist along W hor.	
4	L	≀ around hor.; ≋ scattered about, moving NE.	
4	L	≋ in S and SW, moving NE; ≀ scattered about hor.	
4	L	" " "	
3	C	≋ above E hor.; ≀ scattered about, moving NE.	
2	C	≀ and ≋ scattered along E hor.	
3	C	⌣ above N hor.; ≋ along E hor.; ≀ scattered in SW and W, moving slowly NE.	
3	C	≋ along E hor.; ≀ scattered about.	
3	L	≀ around hor.; ≋ scattered in E, SE, and S, moving NE.	
3	B	≋ and ≀ scattered about hor., moving NE.	
6	B	≋ and ≀ scattered throughout, former moving NE.	
6	B	≋ scattered throughout, moving NE.	
1	B	Pieces of ≋ scattered about, moving NE.	
0	L	≋ scattered around hor.	
0	L	A few ≀ in E hor.; otherwise cloudless.	
1	L	≀ scattered about hor. from E to W.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°4.
1	C	≀ scattered around hor.; dew falling.	
7	C	≋ scattered throughout, moving W; dew falling.	
6	C	≀ in S hor.; ≋ scattered throughout; dew falling.	
5	C	≀ along E hor.; ≋ scattered about, moving W.	
6	B	≀ and ≋ scattered throughout, latter moving W.	
7	B	≋ around hor.; ≀ scattered throughout; mist along W hor.	
4	B	≋ along E hor.; ≀ scattered around hor.; mist from W to N hor.	
3	B	≀ and ≋ scattered about hor.; mist from W to N hor.	
3	C	" "	
7	C	≋ scattered throughout, moving NNE.	
7	C	≋ scattered throughout, moving NE.	

13th November, the sky was densely clouded with ≋, and a few drops of rain fell in the morning.

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 12th-Noon.	29.866	29.095	86°5	76°1	10°4	71°8	0.63	85°0	82°2	E	0.1					
1 p. m.	.838	.031	87.4	76.0	11.4	71.2	.60	85.8	82.5	W b S	0.1					
2 „	.815	28.963	87.4	78.4	9.0	74.9	.68	85.9	82.6	W	0.1					
3 „	.806	.943	86.4	78.4	8.0	75.3	.71	85.0	82.7	„	0.1					
4 „	.814	.952	85.0	78.0	7.0	75.3	.74	84.2	82.5	„	0.0					
5 „	.839	.994	83.4	76.9	6.5	74.7	.75	83.0	82.4	W b N	0.1	None.	None.	None.	None.	None.
6 „	.854	.997	82.2	77.1	5.1	75.1	.80	82.0	82.3	NW b W	0.0					
7 „	.889	29.030	81.6	77.0	4.6	75.2	.82	81.5	82.2	„	0.0					
8 „	.898	.030	80.8	77.0	3.8	75.5	.85	81.0	82.1	„	0.0					
9 „	.912	.031	80.4	77.2	3.2	76.0	.87	80.7	82.6	„	0.0					
10 „	.908	28.993	80.2	78.0	2.2	77.2	.91	80.5	81.9	NW	0.0					
11 „	.897	.973	80.0	77.0	3.0	77.5	.88	80.3	81.7	„	0.0					
Nov. 14th-Midnight	.895	29.114	78.8	74.2	4.6	72.2	.81	79.3	81.4	N	0.0		+	Out of Sc.	24	0.10
1 a. m.	.889	.211	78.6	71.3	7.3	67.8	.71	79.0	81.2	NNE	0.0		+	2		3.19
2 „	.867	.112	79.0	73.6	5.4	71.2	.78	79.0	81.0	„	0.0		+	21		1.03
3 „	.861	.052	79.1	75.0	4.1	73.3	.83	79.1	81.0	NE	0.0		+	13		0.48
4 „	.863	.046	78.4	75.0	3.4	73.6	.86	78.6	80.9	„	0.0		+	18		0.32
5 „	.872	.129	78.3	73.0	5.3	70.7	.78	78.5	80.9	„	0.0		+	4		1.03
6 „	.890	.125	78.0	73.5	4.5	71.6	.81	78.2	80.7	„	0.1		+	1		Above 10m.
7 „	.907	.245	79.0	71.0	8.0	67.1	.68	78.9	80.8	E b N	0.1					
8 „	.937	.237	82.2	73.0	9.2	68.8	.65	81.0	81.1	„	0.1					
9 „	.936	.334	82.8	70.5	12.3	64.2	.55	81.9	81.4	„	0.0					
10 „	.929	.269	84.8	73.0	11.8	67.5	.58	83.2	81.5	„	0.0					
11 „	.913	.209	86.6	74.4	12.2	69.0	.57	84.4	81.9	NW	0.0	None.	+	3		Above 10m.
Noon.	.885	.128	86.6	75.8	10.8	71.2	.62	84.8	82.0	„	0.2		+	1		Above 10m.
1 p. m.	.859	.135	86.8	75.0	11.8	69.9	.58	85.0	82.1	NW b W	0.1					
2 „	.837	.115	87.0	75.0	12.0	69.8	.58	85.3	82.2	„	0.2		+	1		Above 10m.
3 „	.833	.107	86.6	75.0	11.6	69.9	.59	85.0	82.2	„	0.2		+	1		Above 10m.
4 „	.831	.110	83.6	74.0	9.6	69.7	.65	82.8	82.0	„	0.5		+	1		Above 10m.
5 „	.837	.062	82.2	75.0	7.2	72.0	.72	81.8	82.0	„	0.3		+	1		Above 10m.
6 „	.845	.173	80.8	71.8	9.0	67.6	.66	80.8	81.6	NW	0.6		+	1		Above 10m.
7 „	.875	.149	80.5	73.2	7.3	69.9	.72	80.4	81.6	NW b W	0.5					
8 „	.885	.133	80.2	73.8	6.4	71.0	.75	80.1	81.5	„	0.6					
9 „	.890	.103	79.5	74.5	5.0	72.4	.80	79.6	81.3	NW	0.3					
10 „	.887	.081	78.0	74.6	3.4	73.2	.86	78.7	81.1	„	0.0		+	11		0.25
11 „	.874	.069	77.4	74.4	3.0	73.2	.87	78.2	81.0	„	0.0		+	5		0.12
Nov. 15th-Midnight	.857	.023	76.8	75.0	1.8	74.3	.92	77.8	80.7	N b E	0.1		+	9	8	0.40
1 a. m.	.849	.031	77.6	74.8	2.8	73.6	.88	78.0	80.8	NE b N	0.2		+	1		Above 10m.
2 „	.841	.050	77.3	74.0	3.3	72.6	.90	77.9	80.6	„	0.1		+	2		0.18
3 „	.835	.074	76.6	73.0	3.6	71.4	.85	77.3	80.5	„	0.0					
4 „	.830	.066	76.4	73.0	3.4	71.5	.86	77.0	80.5	„	0.0					
5 „	.841	.049	76.5	73.8	2.7	72.7	.89	77.0	80.2	„	0.1					
6 „	.858	.104	76.0	72.6	3.4	71.1	.85	76.7	80.2	N	0.1					
7 „	.886	.129	77.0	73.0	4.0	71.2	.83	77.5	80.2	N b W	0.1					
8 „	.907	.182	79.9	73.0	6.9	69.9	.73	79.5	80.4	„	0.1		+	1		Above 10m.
9 „	.911	.237	81.8	72.2	9.6	67.7	.64	81.0	80.8	N	0.1					
10 „	.904	.175	83.6	74.2	9.4	70.1	.65	82.6	81.2	„	0.1					
11 „	.887	.324	85.4	70.2	15.2	62.2	.47	84.0	81.5	„	0.1	None.	+	2		Above 10m.
Noon.	.866	.149	86.6	74.6	12.0	69.6	.58	84.3	81.6	W b N	0.4					
1 p. m.	.841	.078	86.8	76.0	10.8	71.5	.62	84.2	81.6	WNW	0.3					
2 „	.823	.060	85.4	75.6	9.8	71.5	.64	83.6	81.5	„	0.5					
3 „	.807	.038	84.9	75.6	9.3	71.7	.66	83.1	81.5	„	0.4					
4 „	.807	.089	84.0	74.0	10.0	69.7	.63	82.6	81.5	„	0.4					
5 „	.812	.057	81.8	74.4	7.4	71.2	.71	81.8	81.3	„	0.4		+	1		Above 10m.
6 „	.834	.089	79.8	73.5	6.3	70.7	.75	79.5	81.0	NW b W	1.0					
7 „	.859	.098	79.3	73.8	5.5	71.4	.78	79.3	81.0	NW	0.4					
8 „	.874	.106	79.3	73.8	5.5	71.4	.78	79.3	81.0	„	0.4					
9 „	.887	.168	78.4	72.4	6.0	69.7	.76	78.6	81.0	NNW	0.1					
10 „	.884	.134	77.6	73.0	4.6	71.0	.81	77.9	80.8	NW	0.0		+	2		Above 10m.
11 „	.875	.113	77.2	73.2	4.0	71.4	.83	77.7	80.6	„	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording *these Observations*, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
8	C	Overcast with ≀≀≀, moving ENE.	
8	L	" "	
8	L	≀ and ≀≀≀ scattered throughout, former moving NE.	
8	L	≀≀≀ scattered throughout, moving NE; a few ≀ about zth.	
8	L	" " "	
8	C	Overcast with ≀≀≀ and ≀, former moving NE.	
8	C	" "	
7	C	≀≀≀ scattered about, moving NE.	
8	C	Overcast with ≀≀≀, moving NE.	
7	C	≀≀≀ scattered throughout, moving NNE.	
8	C	" "	
8	C	" "	
6	L	Dense ≀≀≀ scattered in E hem. and around hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°4.
6	C	Dense ≀≀≀ scattered about, moving NE.	
8	C	Overcast with ≀≀≀, moving NE.	
7	C	≀≀≀ scattered throughout, moving N.	
8	C	Overcast with ≀≀≀, moving NW; a few stars dimly visible.	
6	B	≀ about zth.; ≀≀≀ scattered throughout, moving NW.	
6	B	≀≀≀ scattered throughout, moving NW; mist along W hor.	
6	B	≀≀≀ scattered throughout, moving N; mist along W hor.	
6	B	" " "	
7	L	≀≀≀ scattered throughout, moving E.	
3	L	≀≀≀ scattered about hor., moving E.	
4	L	≀≀≀ scattered about, moving NE.	
4	L	≀≀≀ scattered about zth. and along W hor.	
1	C	Patches of ≀≀≀ scattered about W hor.	
1	C	Pieces of ≀≀≀ scattered here and there, moving ENE.	
3	C	≀≀≀ scattered about hor., moving E.	
7	C	≀≀≀ scattered throughout, moving NE.	
7	L	" "	
7	B	" "	
2	B	≀≀≀ scattered about hor.	
2	B	"	
2	B	"	
0	L	A few pieces of ≀≀≀ in hor.; dew falling.	
2	L	Patches of ≀≀≀ scattered about, moving NE; dew falling.	
7	L	≀≀≀ scattered throughout, moving NE; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°4.
3	C	≀≀≀ scattered about hor., moving NE.	
2	C	" "	
7	C	Densely clouded with ≀≀≀, moving NE.	
6	C	≀≀≀ scattered throughout, moving NE.	
7	B	" "	
4	B	≀≀≀ scattered about, moving NE; mist from W to N hor.	
5	B	" " "	
6	B	" " "	
2	L	≀≀≀ scattered along W hor.; mist from W to N hor.	
2	L	" "	
1	L	" "	
1	L	≀≀≀ scattered from W to N hor.; otherwise cloudless.	
0	C	A few patches of ≀≀≀ in W hor.	
1	C	≀ scattered about, moving NE.	
1	C	Light ≀ scattered about hor., moving NE.	
1	C	" "	
1	L	≀ and pieces of ≀≀≀ scattered along W hor.	
1	B	≀≀≀ scattered in NW.	
1	B	"	
0	B	Clear, except in hor.	
0	B	" "	
0	L	" "	
0	L	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 16th-Midnight	29.857	28.084	76°2	73°2	3°0	71°9	0.87	77°1	80°4	NW	0.0					
1 a. m.	.848	.105	75·8	72.3	3.5	70.7	.85	76.7	80.3	„	0.0					
2 „	.839	.097	75·0	72.0	3.0	70.6	.87	76.0	80.0	„	0.0					
3 „	.833	.038	75.6	73.6	2.0	72.8	.91	76.6	79.8	„	0.0					
4 „	.834	.029	76.0	74.0	2.0	73.2	.91	76.6	79.8	N	0.2					
5 „	.838	.054	75.2	73.2	2.0	72.3	.91	76.0	79.7	„	0.0					
6 „	.855	.120	74.1	71.5	2.6	70.3	.89	75.1	79.5	„	0.0					
7 „	.881	.305	73.1	66.5	6.6	62.9	.72	74.4	79.2	N b W	0.1					
8 „	.900	.281	77.3	69.2	8.1	65.1	.67	77.3	79.4	N	0.1					
9 „	.903	.190	81.0	73.0	8.0	69.3	.69	80.4	80.0	„	0.1		+	1		Above 10m.
10 „	.899	.241	82.6	72.0	10.6	66.9	.61	81.2	80.3	NW	0.4		+	1		Above 10m.
11 „	.878	.203	84.4	73.0	11.4	67.7	.59	82.4	80.7	„	0.3					
Noon.	.852	.119	86.2	75.0	11.2	70.2	.60	83.7	81.0	WNW	0.2					
1 p. m.	.822	.126	85.9	74.0	11.9	68.6	.58	84.2	81.0	„	0.4	None.			None.	
2 „	.805	.078	86.5	75.0	11.5	70.0	.59	84.9	81.1	„	0.6					
3 „	.789	.017	85.3	75.7	9.6	71.7	.64	83.4	81.1	NW b W	0.6					
4 „	.791	.050	83.2	74.4	8.8	70.6	.67	82.3	81.2	„	0.5		+	2		Above 10m.
5 „	.804	.016	82.4	75.4	7.0	72.5	.73	81.2	81.2	NW	0.5		+	3		1.30
6 „	.825	.053	80.4	74.4	6.0	71.8	.76	80.3	81.0	„	0.6		+	3		1.34
7 „	.848	.087	80.0	74.0	6.0	71.4	.76	80.0	81.0	„	0.8		+	4		0.48
8 „	.858	.097	80.0	74.0	6.0	71.4	.76	80.0	81.0	NW b N	0.7		+	2		2.04
9 „	.864	.101	79.8	74.0	5.8	71.5	.77	79.6	81.0	NNW	0.2		+	3		0.30
10 „	.856	.116	79.2	73.2	6.0	70.5	.76	78.3	80.8	„	0.1		+	3		0.50
11 „	.845	.073	79.0	74.0	5.0	71.8	.80	79.3	80.8	NW b N	0.0		+	4		0.40
Nov. 17th-Midnight	.834	.058	78·6	74.0	4.6	72.0	.81	78.9	80.7	NW b N	0.0		+	1		Above 10m.
1 a. m.	.817	.036	78.2	74.0	4.2	72.2	.83	78.6	80.6	„	0.0					
2 „	.799	.023	77.3	73.6	3.7	72.0	.86	77.7	80.4	„	0.1		+	1		Above 10m.
3 „	.799	.070	76.2	72.0	4.2	70.1	.82	76.9	80.3	„	0.0		+	4		1·10
4 „	.812	.023	77.1	73.9	3.2	72.6	.87	77.5	80.2	N b E	0.0		+	7	7	0.38
5 „	.818	.056	76.5	73.0	3.5	71.4	.85	77.1	80.1	NE	0.0		+	1		Above 10m.
6 „	.837	.075	76.5	73.0	3.5	71.4	.85	77.1	80.0	„	0.0					
7 „	.867	.075	77.2	74.0	3.2	72.7	.86	77.5	79.9	„	0.0		+	5	4	0·20
8 „	.885	.073	79.8	75.3	4.5	73.4	.82	79.5	80.1	„	0.1		+	7	6	0.18
9 „	.893	.101	81.4	75.2	6.2	72.7	.76	80.7	80.5	„	0.1		+	3		0·15
10 „	.893	.121	83.2	75.2	8.0	71.8	.70	82.2	80.9	„	0·1					
11 „	.859	.142	85.4	74.4	11.0	69.6	.60	83.9	81.3	„	0.1					
Noon.	.836	.082	87.6	76.0	11.6	71.1	.59	85.1	81.7	„	0.1	None.				
1 p. m.	.807	.068	89.0	76.3	12.7	70.7	.56	86.5	82.0	WNW	0.1					
2 „	.794	28.926	89.5	79.3	10.2	75.5	.65	87.0	82.3	W	0.3		+	7	6	0.36
3 „	.772	.907	88.8	79.1	9.7	75.4	.67	87.0	82.5	W b N	0.2		+	3		Above 10m.
4 „	.783	.929	87.7	78.5	9.2	75.0	.67	86.1	82.4	WNW	0.1		+	4		5.10
5 „	.795	.960	83.8	77.0	6.8	74.3	.74	82.5	82.1	„	0.5					
6 „	.821	29.000	81.5	76.0	5.5	73.8	.78	81.3	81.8	NW	0.5		+	1		Above 10m.
7 „	.837	.008	80.8	76.0	4.8	74.1	.81	80.6	81.8	„	0.4		+	1		Above 10m.
8 „	.860	.050	80.4	75.4	5.0	73.3	.80	80.3	81.6	„	0.1		+	1		Above 10m.
9 „	.870	.060	80.4	75.4	5.0	73.3	.80	80.3	81.6	NNW	0.0		+	3		3.46
10 „	.861	.080	79.6	74.4	5.2	72.2	.79	80.1	81.6	„	0·0		+	4		3.00
11 „	.844	.076	79.4	74.0	5.4	71.7	.78	79.9	81.5	„	0.0		+	2		2.30
Nov. 18th-Midnight	.834	.029	78.8	74.8	4.0	73.2	.84	79.4	81.3	NNW	0.0		+	2		2.30
1 a. m.	.817	.076	77.1	72.6	4.5	70.6	.81	78.0	81.0	„	0.0		+	4		3.00
2 „	.807	28.946	77.9	76.0	1.9	75.2	.92	78.5	80.8	NE	0.1		+	7	6	0.55
3 „	.811	29.063	77.8	73.0	4.8	70.9	.80	78.3	80.8	„	0.1		+	3		4.26
4 „	.817	.030	77.6	74.0	3.6	72.5	.85	78.0	80.6	„	0.1		+	2		Above 10m.
5 „	.828	.047	78.2	74.0	4.2	72.2	.83	78.2	80.5	„	0.2					
6 „	.854	.071	78.0	74.0	4.0	72.3	.83	78.0	80.5	„	0.1	None.	+	1		Above 10m.
7 „	.878	.095	78.0	74.0	4.0	72.3	.83	78.2	80.5	„	0.1					
8 „	.895	.072	81.4	76.0	5.4	73.8	.79	80.8	80.8	„	0.1		+	1		Above 10m.
9 „	.903	.097	82.2	75.8	6.4	73.2	.75	81.5	81.2	„	0.1					
10 „	.888	.208	84.6	73.2	11.4	67.9	.59	83.4	81.5	„	0.0					
11 „	.875	.220	86.2	73.0	13.2	66.8	.54	84.4	81.9	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°4.
0	C	" "	
1	C	A few ∿ in SSE; dew falling.	
6	C	≋ and ∿ scattered about, former moving ENE; dew falling.	
7	C	Densely clouded with ≋, moving NE; dew falling.	
2	B	≋ scattered along E hor.; dew falling.	
2	B	≋ scattered along E hor.; mist along W and E hor.	
2	B	≋ and mist scattered around hor.	
1	B	"	
0	L	A few ≋ above NW, E, and SE hor.; mist from W to N hor.	
0	L	" "	
0	L	A few pieces of ≋ in NW and E hor.	
0	L	A few pieces of ≋ in hor.	
1	C	≋ scattered from E to S hor.	
3	C	≋ scattered along W hor.; ∿ along E hor.	
3	C	" "	
5	C	≋ and ∿ scattered about, former moving NE.	
8	L	Overcast with ≋ and ∿, former moving E.	
8	B	" "	
5	B	≋ around hor.; ∿ scattered about.	
7	B	" "	
8	B	Overcast with ≋, moving NE.	
8	L	" "	
8	L	Overcast; a few stars dimly visible.	
8	L	≋ scattered throughout, moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°3.
7	C	" "	
4	C	≋ scattered about, moving NNE.	
3	C	≋ scattered about, moving NE; dew falling.	
3	C	" " "	
3	B	A few ≋ in E; ∿ scattered about.	
6	B	≋ and ∿ scattered throughout, both moving NNE.	
2	B	∿ scattered along E hor.; ≋ in W hor.; mist from W to N hor.	
1	B	∿ scattered from E to S hor.; mist from W to N hor.	
1	L	" "	
1	L	" "	
0	L	A few ∿ above SE and E hor.	
0	L	"	
0	C	A few pieces of ≋ above SE hor.	
1	C	Pieces of ≋ scattered from E to S hor.	
1	C	≋ scattered along E hor.	
1	C	"	
1	L	"	
0	B	A few pieces of ≋ in E hor.	
0	B	"	
4	B	≋ scattered about, moving NNE.	
6	B	" "	
5	L	" "	
4	L	≋ scattered about, moving NE.	
3	L	≋ scattered about hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. The temperature of air at 3 P. M., was 91°1 greatest in the month, and about 4°7 greater than the normal mean.
3	C	Patches of ≋ scattered in E hem., moving NE.	
2	C	" "	
0	C	Clear, except in hor.	
0	C	" "	
0	B	A few pieces of ≋ in E.	
5	B	∿ and ≋ scattered about, latter moving NE.	
3	B	≋ scattered about, moving NE; a few ∿ in E of 2th.; mist from W to N hor.	
2	B	A few ∿ above NE hor.; ≋ scattered about hor., moving NE; mist from W to N hor.	
2	L	≋ and ∿ scattered about hor., moving N; mist from W to N hor.	
1	L	" " "	
1	L	∿ scattered along E hor.; ≋ above NW and W hor.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in which the recovering spark differs of tension after discharge.
	in.	in.									lbs.	in.				
Nov. 18th-Noon.	29.847	29.143	88°6	75°0	13°6	69°0	0.54	86°3	82°3	NE	0.0					
1 p.m.	.817	.126	90.2	75.1	15.1	68.7	.50	87.4	82.5	W	0.1					
2 „	.796	.075	90.6	76.0	14.6	69.3	.51	88.3	82.7	WSW	0·1					
3 „	.793	28.977	91.1	78.5	12.6	73.6	.58	88.6	83.0	W b S	0.2		+	1		Above 10m.
4 „	.801	.978	88.6	78.1	10.5	73.8	.63	86.5	82.8	W	0.2		+	1		Above 10m.
5 „	.807	.918	84.0	78.4	5.6	76.3	.78	83.4	82.6	NW b W	0·8	None.	+	2	None.	1.30
6 „	.822	29.050	81.8	74.8	7.0	71.8	.73	81.8	82.3	NW	0.8		+	1		3.04
7 „	.840	.068	81.8	74.8	7.0	71.8	.73	81.8	82.2	„	1.3		+	1		Above 10m.
8 „	.869	.146	81.8	73.5	8.3	69.8	.68	81.7	82.1	„	0.6		+	1		Above 10m.
9 „	.876	.159	80.6	73.0	7.6	69.6	.70	80.5	81.9	„	0.1		+	1		Above 10m.
10 „	.854	.093	80.0	74.0	6.0	71.4	.76	80.3	81.7	„	0.1		+	3		3.20
11 „	.833	.068	79.6	74.0	5.6	71.6	.77	80.0	81.7	„	0.1		+	2		Above 10m.
Nov. 19th-Midnight	.822	.088	78.4	72.8	5.6	70.3	.77	79.3	81.5	WN	0.0					
1 a.m.	.801	.119	77.2	71.0	6.2	68.0	.74	78.0	81.2	„	0.0		+	1		Above 10m.
2 „	.799	.073	76.8	72.1	4.7	69.9	.80	77.5	80.9	N	0.0		+	2		4.10
3 „	.803	.007	76.4	73.9	2.5	72.8	.89	78.0	80.8	N b E	0.1		+	1		Above 10m.
4 „	.803	.021	77.4	73.8	3.6	72.2	.87	78.0	80.8	„	0.1					
5 „	.817	.071	78.0	73.0	5.0	70.8	.79	78.2	80.7	NNE	0.0					
6 „	.841	.109	77.2	72.4	4.8	70.2	.80	77.7	80.5	„	0.1					
7 „	.874	.183	76.4	71.0	5.4	68.4	.77	77.0	80.3	„	0.0					
8 „	.893	.208	80.2	72.0	8.2	68.1	.68	80.0	80.5	N b E	0.0					
9 „	.907	.221	82.2	72.6	9.6	68.2	.64	81.4	81.1	NNW	0.0					
10 „	.895	.192	84.6	73.8	10.8	69.0	.61	83.0	81.5	„	0.0	None.				
11 „	.870	.135	85.2	74.8	10.4	70.3	.62	83.5	81.7	W	0.1					
Noon.	.839	.093	86.2	75.4	10.8	70.8	.61	85.6	81.8	„	0.5					
1 p.m.	.802	.040	86.2	75.8	10.4	71.3	.63	84.8	81·9	WNW	0.5					
2 „	.778	.013	86.3	75.9	10.4	71.6	.63	84.8	82.0	NW b W	0.5					
3 „	.765	.018	86.1	75.4	10.7	70.8	.62	84.8	82.3	„	0·6					
4 „	.768	.017	84.9	74.9	10.0	71.0	.64	83.8	82.1	„	0.7					
5 „	.784	.040	82.2	74.2	8.0	70.7	.69	81.9	82.1	NW	1.0		+	2		Above 10m.
6 „	.803	.022	81.0	74.8	6.2	72.2	.76	81.1	81.8	„	0.8		+	6	4	2.00
7 „	.818	28.995	80.6	75.8	4.8	73.8	.81	80.8	81.6	„	0.8		+	3		1.30
8 „	.840	29.004	80.2	76.0	4.2	74.3	.83	80.3	81.5	„	0.3		+	3		2·01
9 „	.853	28.997	79.8	76.4	3.4	75.1	.96	80.0	81.5	„	0.0		+	1		
10 „	.847	.981	79.2	76.5	2.7	75.4	.89	79.5	81.4	„	0.0		+	5	4	
11 „	.828	29.003	77.6	75.0	2.6	73.9	.89	78.2	81.3	„	0.0		+	2		
Nov. 21st-Midnight	.813	.065	77.8	73.0	4.8	70.8	.80	78.0	80.8	N	0.0		+	1		Above 10m.
1 a.m.	.795	.073	76.8	72.0	4.8	69.8	.80	77.3	80.6	„	0.0					
2 „	.787	.055	75.9	72.0	3.9	70.2	.83	76.9	80.3	„	0.0					
3 „	.776	.072	75.2	71.0	4.2	69.0	.82	76.0	80.2	„	0.0					
4 „	.782	.180	74.2	67.7	6.5	64.2	.73	75.3	80.0	„	0·0					
5 „	.796	.179	74.4	68.2	6.2	65.0	.74	75.2	79.7	„	0.0					
6 „	.814	.111	75.3	71.0	4.3	69.0	.82	75.9	79.6	NNE	0·0					
7 „	.836	.112	76.6	72.0	4.6	69.9	.81	76.9	79.6	NE	0.1		+	1		2.03
8 „	.859	.090	79.3	74.0	5.3	71.7	.79	78.9	80.0	„	0.1		+	1		1.26
9 „	.876	.117	81.6	74.4	7.2	71.3	.72	80.8	80.3	„	0.1		+	12	10	0.50
10 „	.871	.092	83.2	75.4	7.8	72.1	.70	82.1	80.7	„	0.1		+	4		0.50
11 „	.857	.089	85.0	75.6	9.4	71.9	.66	83.6	81.2	„	0·1	None.	+	1		Above 10m.
Noon.	.827	.123	87.2	74.6	12.6	69.0	.56	85.3	81.6	„	0.1		+	1		Above 10m.
1 p.m.	.798	.240	89.4	71.3	18.1	61.9	.41	86.5	82.0	NW	0.0		+	2		Above 10m.
2 „	.774	.123	91.0	74.3	16.7	66.6	.46	87.7	82.4	WNW	0.0		+	7		Above 10m.
3 „	.770	.098	90.5	74.7	15.8	67.6	.49	87.7	82.7	„	0.1		+	3		Above 10m.
4 „	.775	.038	89.2	76.0	13.2	70.4	.55	86.9	82.5	„	0.1		+	3		Above 10m.
5 „	.783	.097	84.8	73.4	11.4	68.2	.59	84.1	82.4	NW	0.4		+	6		0.25
6 „	.798	28.950	82.6	77.0	5.6	74.8	.78	82.4	82.2	„	0.3		+	10	10	0.40
7 „	.834	29.011	81.4	76.0	5.4	73.8	.79	81.3	82.0	„	0·3		+	4		1.08
8 „	.850	.062	81.0	75.0	6.0	72.5	.76	81.0	81.9	NNW	0.3		+	4		0.48
9 „	.862	.093	81.0	74.5	6.5	71.7	.74	80.9	81.7	„	0.2		+	3		1.25
10 „	.864	.195	79.0	71.2	7.8	67.4	.69	79.3	81.6	N b E	0.1		+	3		1.30
11 „	.850	.075	79.4	74.2	5.2	72.0	.79	79.7	81.5	„	0.0		+	2		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ∿⌣i nimbi.	
1	L	⌐i scattered along E hor.; ∿i above NW and W hor.	
1	C	∿i from N to E hor.; ⌐i scattered around hor.	
1	C	" "	
2	C	⌐i and ∿i scattered from NW to S hor.	
2	C	∿i from W to N hor.; ⌐i scattered from N to E hor.	
2	L	A few ⌐i in E; ∿i scattered around hor.	
1	B	∿i scattered from N to SE hor.	
1	B	∿i scattered along E hor.	
0	B	Clear, except in hor.	
1	B	A few pieces of ∿i in E and S.	
1	L	∿i scattered along E hor.	
1	L	"	
0	L	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°2.
0	C	" "	
1	C	∿i scattered along E hor.	
3	C	∿i scattered about, moving NE; dew falling.	
7	C	" " "	
4	B	" " "	
4	B	∿i scattered about, moving NE.	
3	B	∿i scattered about hor., moving NE; a few ⌐i here and there observed; mist along W hor.	
4	B	⌐i and ∿i scattered about, latter moving NE; mist along W hor.	
5	L	⌐i and ∿i scattered about, latter moving ENE; mist along W hor.	
4	L	∿i above W hor.; ⌐i scattered about; mist along W hor.	
3	L	" " "	
2	L	∿i along W hor.; ⌐i scattered around hor.	
2	C	⌐i scattered around hor.	
3	C	⌐i scattered about.	
4	C	∿i along E hor.; ⌐i scattered about.	
4	C	" "	
7	L	∿i along E hor.; ⌐i scattered throughout.	
5	L	⌐i scattered about.	
2	L	⌐i scattered about hor.	
0	B	Clear, except in hor.	
0	B	" "	
0	B	Clear; dew falling.	
0	B	" "	
2	L	∿i scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°4.
2	C	"	
3	C	∿i scattered about, moving E.	
0	C	A few ∿i in N and NW hor.	
0	C	A few pieces of ∿i in N hor.	
0	B	A few pieces of ∿i in SE hor.	
2	B	∿i scattered around hor.	
2	B	⌐i, ∿i, and mist around hor.	
2	B	⌐i and mist scattered around hor.	
1	L	⌐i scattered here and there; mist along W hor.	
1	L	⌐i scattered about hor. from W to E; mist along W hor.	
1	L	" "	
1	L	" "	
1	C	A few pieces of ∿i in E hor.; ⌐i scattered from SW to N hor.	
2	C	∿i along E hor.; ⌐i scattered along W hor.	
2	C	" "	
2	C	" "	
1	L	" "	
1	L	∿i scattered along E hor.	
1	B	"	
1	B	"	
1	B	∿i scattered around hor.	
1	L	"	
1	L	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the insulating tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 22nd-Midnight	29.833	29.083	77°6	73°0	4°6	71°0	0.81	78°4	81°2	N b E	0.0		+	2		Above 10m.
1 a. m.	.819	.135	77.0	71.0	6.0	68.1	.75	77.9	80.9	„	0·0					
2 „	·807	.079	77.3	72.3	5.0	70.0	.79	77.4	80.6	„	0·0					
3 „	.809	.019	77.4	74.0	3.4	72.6	.86	77.9	80.5	NE	0.1					
4 „	.815	.158	76.3	70.0	6.3	66.9	.74	77.0	80.4	NE b E	0.1					
5 „	.832	.168	75.6	70.0	5.6	67.2	.77	76.2	80.1	„	0.0					
6 „	.852	.144	76.5	71.5	5.0	69.2	.79	77.0	80.1	NE	0.1		+	3		3.25
7 „	.882	.136	78.0	73.0	5.0	70.8	.79	78.0	80.2	„	0.1		+	3		2.58
8 „	.911	.174	78.8	73.0	5.8	70.4	.77	78.8	80.3	ENE	0·1		+	3		0.52
9 „	.924	.171	81.4	74.2	7.2	71.1	.72	80.8	80.6	„	0.2		+	4		1·00
10 „	.922	.174	84.0	74.8	9.2	70.9	.66	82.7	81.1	„	0.1		+	3		1.00
11 „	.902	.084	85.4	77.0	8.4	73.6	.69	84.0	81.6	„	0.1	None.	+	2		1.30
Noon.	.875	.298	86.6	71.0	15.6	62.9	.47	84.8	81.9	„	0·1					
1 p. m.	.844	.073	88.9	76.8	12.1	71.8	.58	86.0	82.1	SSW	0·0		+	2		0.35
2 „	.823	.106	89.8	75.5	14.3	69.6	.52	86.5	82.4	SW b W	0·2		+	8		3.15
3 „	.819	.038	88.7	77.0	11.7	72.2	.60	86.7	82.5	NW	0·3		+	3		1.25
4 „	.817	28.982	86.7	77.8	8.9	74.3	.68	85.0	82.2	WNW	0·2		+	2		5.56
5 „	.835	29.015	83.8	76.6	7.2	73.7	.73	83.2	82.3	NW	0·4					
6 „	.847	.065	81.5	75.0	6.5	72.2	.75	81.4	82.1	„	0·3					
7 „	.869	.108	81.0	74.3	6.7	71.4	.74	80.9	81.8	„	0.3					
8 „	.885	.124	81.0	74.3	6.7	71.4	.74	80.9	81.7	WNW	0.1					
9 „	.886	.076	80·4	75.4	5.0	73.3	.80	80.5	81.7	NW	0.0		+	1		Above 10m.
10 „	.882	.136	78.0	73.0	5.0	70.8	.79	79.0	81.5	„	0.0		+	Out of Sc.	28	0.15
11 „	.877	.131	78.0	73.0	5.0	70.8	.79	78.8	81.1	NNE	0.1		+	2		1·30
Nov. 23rd-Midnight	.871	.108	77.8	73.4	4·4	71.5	.82	78.4	81.1	NE	0.0		+	5		0.25
1 a. m.	.859	.179	77.4	71.0	6.4	67.9	.74	77.7	80.9	„	0.1		+	3		1·00
2 „	·850	.141	76.0	71.4	5.4	69.2	.81	77.0	80.7	„	0.1		+	4		0·43
3 „	.843	.150	76.2	71.0	5.2	68.5	.78	77.0	80.6	„	0.1		+	3		2.15
4 „	.854	.173	74.7	70.2	4.5	68.0	.81	75.7	80.3	„	0.1		+	2		3.25
5 „	·870	.233	75.0	69.0	6.0	65.9	.75	75.9	80.1	„	0.0					
6 „	.880	.272	74.6	68.0	6.6	64.5	.72	75.4	80.0	„	0.0					
7 „	.905	.297	75.6	68.3	7.3	64.5	.70	76.2	79.8	„	0.1					
8 „	·932	.305	79.0	70.0	9.0	65.4	.65	78.3	80.1	NNE	0.1		+	1		Above 10m.
9 „	.935	.188	80.6	73.8	6.8	70.8	.73	80.4	80.4	„	0.1		+	2		Above 10m.
10 „	.932	.319	83.4	71.0	12.4	64.8	.55	82.2	80.8	„	0·1		+	2		Above 10m.
11 „	.913	.247	85.2	73.0	12.2	67.3	.56	83.4	81.2	NE b N	0·1		+	1		Above 10m.
Noon.	.878	.351	88.0	70.0	18.0	60.2	.41	86.4	81.7	NNE	0.1	None.	+	8	6	3.30
1 p. m.	.847	·104	86.9	75.5	11.4	70.7	.60	85.0	81.8	NW b W	0.5		+	3		3.10
2 „	.821	.049	86.4	76.1	10·3	71.8	.63	85·0	81.8	WNW	0·6		+	2		2.25
3 „	·807	.071	85.7	75.0	10.7	70·4	.62	84.5	81.7	NW b W	0.5		+	2		Above 10m.
4 „	.806	.063	85.1	75.0	10.1	70.7	.63	84.2	81.5	„	0.4		+	3		Above 10m.
5 „	.814	.079	82.4	74.0	8.4	70.3	.68	82.0	81.9	„	0.5		+	5		0.50
6 „	·831	.119	81.1	73.0	8.1	69.3	.69	81.0	81.6	„	0·5		+	1		Above 10m.
7 „	.841	.091	81.0	74.0	7.0	71.0	.73	80.8	81.5	„	0·5					
8 „	.857	.140	80.6	73.0	7.6	69.6	.70	80.5	81.5	NW	0·3					
9 „	.870	.172	79.0	72.0	7.0	68.7	.72	79.0	81.2	„	0·1		+	2		0.48
10 „	.861	.178	78.4	71.4	7.0	68.1	.72	78.9	81.1	„	0.1		+	11		0.50
11 „	.851	.229	77.6	69.4	8.2	65.2	.67	78.0	80.9	„	0·1		+	10	8	1.00
Nov. 24th-Midnight	.851	.179	79.4	71.4	8.0	67.6	.68	79.6	80.8	ENE	0.2		+	8		1.30
1 a. m.	.851	.188	78.9	71.0	7.9	67.2	.69	79.3	80.8	ESE	0.1		+	Out of Sc.	28	Above 10m.
2 „	.847	.193	79.4	70.9	8.5	66.7	.67	79.6	80.7	„	0.2		+	2		4.13
3 „	.847	.153	79.4	72.0	7.4	68.6	.71	79.4	80.9	E	0.2		+	3		2.53
4 „	.846	.155	79.6	72.0	7.6	68.4	.70	79.6	80.8	„	0.2					
5 „	.959	.187	79.4	71.4	8.0	67.6	.68	79.5	80.7	ESE	0.0					
6 „	.884	.261	79.4	70.0	9.4	65.3	.63	79.5	80.6	„	0.0	None.				
7 „	.908	.208	79.2	72.1	7.1	68.8	.72	79.0	80.6	„	0.0					
8 „	.926	.211	81.5	73.2	8.3	69.5	.68	81.0	80.8	„	0·0					
9 „	.926	.286	83.0	71.6	11.4	66.1	.58	82.3	81.4	„	0·0		+	3		1.30
10 „	.917	.198	83.8	74.0	9.8	69.7	.64	83.0	81.5	NE b E	0.1		+	6		Above 10m.
11 „	.884	.178	85.0	74.0	11.0	69.1	.60	83.4	81.8	NW b W	0.2		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cirro-strati; ⌒≀≀ cumulo-strati; and ≀≀≀ nimbi.	
1	L	≀≀ scattered around hor., moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 83°4.
1	C	" "	
2	C	≀≀ scattered around hor., their motion was not apparent.	
1	C	≀≀ scattered along E hor.	
1	C	"	
1	B	"	
2	B	≀ scattered about; mist along W hor.	
3	B	≀ scattered about hor.; mist along W hor.	
3	B	" "	
5	L	" "	
5	L	" "	
6	L	" "	
5	L	≀ scattered throughout, except about zth.	
5	C	≀ scattered about.	
5	C	"	
4	C	"	
3	C	≀ scattered about hor.	
3	L	≀ scattered around hor. and about zth.	
1	B	≀ scattered around hor.	
1	B	≀ scattered along E hor.	
0	B	Clear, except in hor.	
0	B	" "	
0	L	" "	
0	L	" "	
0	L	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°3.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
1	B	≀≀ scattered along E hor.	
1	B	"	
1	B	≀≀ scattered along E hor.; mist along W hor.	
2	B	" "	
1	L	≀≀ scattered along E hor., moving E; mist along W hor.	
2	L	≀≀ scattered about, moving N; mist along W hor.	
1	L	Patches of ≀≀ scattered here and there, moving E; mist along W hor.	
1	L	Patches of ≀≀ scattered about, moving SE.	
2	C	≀≀ scattered about hor.	
2	C	"	
4	C	≀≀ scattered about, moving WSW.	
3	C	≀≀ scattered about hor.	
1	L	≀≀ scattered along W hor.	
0	B	A few patches of ≀≀ in W hor.	
0	B	Clear, except in hor.	
0	B	" "	
1	B	≀≀ scattered along E hor.	
1	L	"	
2	L	≀≀ scattered from N to S hor., moving NW.	
3	L	≀≀ and ≀ scattered from N to S hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°2.
8	C	≀≀ along E hor.; ≀ scattered throughout.	
6	C	" "	
8	C	Overcast with ≀≀ and ≀, former moving W.	
7	C	≀≀ along E hor.; ≀ scattered throughout.	
8	B	Overcast with ≀≀, moving WNW.	
8	B	" "	
8	B	" "	
8	B	" "	
8	L	Dense ≀≀ scattered throughout, moving NE.	
7	L	" "	
7	L	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of Tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 24th–Noon.	29.849	29.031	85°4	77°0	8°4	73°6	0.69	83°6	81°9	WNW	0.4		+	4		1·30
1 p. m.	.821	.012	86.2	77.0	9.2	73.3	.67	85.0	82.0	„	0.4		+	2		2.35
2 „	.800	28.985	83.9	76.5	7.4	73.5	.72	83.4	81.9	NW b W	1.2		+	3		1.50
3 „	.790	.980	84.9	76.7	8.2	73.3	.69	84.0	82.0	NW	1.5		+	7	5	1.25
4 „	.789	29.001	82.8	75.5	7.3	72.5	.72	82.5	81.8	NW b W	1.5		+	5		3.30
5 „	.791	.066	81.2	73.4	7.8	69.9	.70	81.2	81.8	„	1.5	None.	+	1		Above 10m.
6 „	.806	.143	80.6	71.5	9.1	67.2	.65	80.8	81.7	„	0.8					
7 „	.825	.134	80.9	72.4	8.5	68·4	.67	80.9	81.6	„	1.0					
8 „	.841	.144	80.8	72.5	8.3	68.7	.68	80.6	81.5	NW b N	0.2					
9 „	.841	.234	79.6	69.6	10.0	64.5	.62	79.8	81.4	„	0.1		+	1		Above 10m.
10 „	.829	.232	78.6	69.0	9.6	64.0	.62	79.0	81.1	NW	0.1		+	1		Above 10m.
11 „	.821	.214	78.4	69.2	9.2	64.5	.64	78.8	81.0	„	0.1		+	1		Above 10m.
Nov. 25th–Midnight	.804	.213	77.4	68.4	9.0	63.7	.64	78.2	80.8	NW	0.0		+	1		Above 10m.
1 a. m.	.797	.149	77.4	70.1	7.3	66.5	.70	78.0	80.6	N	0.1		+	7		2.35
2 „	.783	.125	79.4	71.0	8.4	66.9	.67	79.0	80.7	NNE	0.1		+	5		3.50
3 „	.777	.110	78.5	71.0	7.5	67.3	.70	78.6	80.6	NE b N	0.2		+	1		Above 10m.
4 „	.786	.131	78.0	70.5	7.5	66.8	.70	78.1	80.5	NNE	0.1					
5 „	.799	.181	77.4	69.2	8.2	65.0	.67	77.5	80.3	N	0.0					
6 „	.822	.191	76.5	69.3	7.2	65.6	.71	77.0	80.3	N b E	0.0					
7 „	.844	.135	78.0	72.0	6.0	69.2	.76	78.2	80.2	NE b N	0.0					
8 „	.867	.191	81.0	72.0	9.0	67.8	.66	80.5	80.5	„	0.1					
9 „	.868	.242	82.9	73.9	9.0	69.9	.66	82.0	81.0	„	0.1					
10 „	.867	.207	84.4	72.6	11.8	67.0	.57	83·2	81.3	„	0·1					
11 „	.847	.295	87.0	70.4	16.6	61.6	.44	85.5	81.8	NW b N	0·1	None.				
Noon.	.822	.120	87.4	74.6	12.8	68.9	.56	85.5	81.9	W	0·3				None.	
1 p. m.	.788	.040	88.2	76.0	12.2	70.9	.58	86.4	82.2	NW b W	0.2					
2 „	.769	.016	87.7	76.0	11.7	71.1	.59	86.0	82.2	NW	0·5		+	2		Above 10m.
3 „	.763	.011	87.8	76.0	11.8	71.0	.59	86.2	82.4	WNW	0.1		+	2		Above 10m.
4 „	.767	28.968	86.2	76.5	9.7	73.0	.65	84.7	82.3	NW b W	0.1		+	3		Above 10m.
5 „	.768	29.018	82.4	74.4	8.0	71.0	.69	82.0	82.3	NW	0.5		+	2		Above 10m.
6 „	.778	.107	80.8	71.8	9.0	67.5	.65	81.0	82.0	„	0.3		+	2		Above 10m.
7 „	.803	.051	80.8	74.0	6.8	71.0	.73	80.9	81.7	„	0.3		+	2		Above 10m.
8 „	.813	.093	80.4	73.0	7.4	69.7	.71	80.4	81.7	„	0·2		+	3		3·28
9 „	.823	.159	79.5	71.2	8.3	67.2	.68	79.6	81.5	N	0.0		+	4		2.38
10 „	.820	.163	77.6	70.4	7.2	66.9	.71	78.5	81.2	„	0.0		+	4		3.00
11 „	.804	.120	77.0	71.0	6.0	68.1	.75	78.0	81.0	„	0.0		+	8		2.30
Nov. 26th–Midnight	.791	.036	77.8	73.2	4.6	71.2	.81	78.4	80.8	N	0.1		+	6	4	0.40
1 a. m.	.782	.075	76.6	71.5	5.1	69.1	.79	77.4	80.7	„	0.0		+	4	3	2.03
2 „	.772	.086	75.3	70.6	4.7	68.2	.80	76.6	80.5	„	0.0		+	3		1.30
3 „	.774	.030	75.5	72.2	3.3	70.7	.86	75.6	80.2	„	0.0		+	4	3	Not Obsd.
4 „	.780	.085	76.0	71.0	5.0	68.6	.79	76.3	80.2	„	0.0					
5 „	.793	.112	75.4	70.4	5.0	68.0	.79	76.3	80.2	„	0.0		+	2		Not Obsd.
6 „	.820	.118	75.4	71.0	4.4	68.9	.81	76.0	80.0	NNE	0.1		+	1		Not Obsd.
7 „	.846	.082	76.4	73.0	3.4	71.5	.85	77.0	80.2	NE b E	0.1		+	2		Not Obsd.
8 „	.870	.159	78.5	72.2	6.3	69.3	.77	78.7	80.4	NE	0.1					
9 „	.887	.199	80.6	72.2	8.4	68.3	.68	80.0	80.5	„	0.1					
10 „	.887	.254	82.2	71.2	11.0	65.7	.59	81.5	80.6	„	0.1					
11 „	.873	.274	84.6	71.0	13.6	64.1	.52	83.2	81.2	„	0.1					
Noon.	.852	.210	87.4	73.0	14.4	66.2	.50	84.7	81.7	„	0.1	None.				
1 p. m.	.819	.097	88.8	75.5	13.3	69.8	.55	86.4	81.9	W b N	0.0					
2 „	.802	.046	89.2	76.5	12.7	71.2	.57	87.0	82.3	W	0.1					
3 „	.791	28.960	88.9	78.3	10.6	74.1	.63	86.5	82.3	WNW	0.1		+	2		Not Obsd.
4 „	.789	.942	86.6	78.0	8.6	74.7	.69	85.2	82.2	„	0.2		+	1		Not Obsd.
5 „	.797	29.020	83.4	75.4	8.0	72.0	.70	82.8	82.3	NW	0.5		+	2		Not Obsd.
6 „	.806	.060	81.4	74.0	7.4	70.8	.71	81.4	82.0	„	0.5		+	1		Not Obsd.
7 „	.827	.076	80.9	74.0	6.9	71.0	.73	80.8	81.8	NW b W	0.5		+	1		Not Obsd.
8 „	.845	.146	80.6	72.5	8.1	68.8	.69	80.7	81.6	„	0.4		+	2		Not Obsd.
9 „	.869	.179	79.7	72.0	7.7	68.4	.70	79.9	81.5	„	0.1		+	3		Not Obsd.
10 „	.868	.252	77.8	69.3	8.5	64.9	.66	78.2	81.2	NNW	0.0		+	4	3	Not Obsd.
11 „	.844	.224	77.2	69.2	8.0	65.1	.68	77.9	81.0	„	0.0		+	6	4	Not Obsd.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≤ cirri ; ≤≤ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩⌣ cumulo-strati ; and ≤∩ nimbi.	
7	L	Dense ≤≤ scattered throughout, moving NE.	
6	C	" "	
6	C	" "	
7	C	" "	
7	C	" "	
7	L	Overcast with ≤≤, moving SE.	
8	B	" "	
8	B	" "	
8	B	" "	
6	B	≤≤ scattered about, moving NE.	
3	L	" "	
3	L	" "	
2	L	≤≤ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°2.
1	C	≤≤ scattered above NE hor.	
1	C	≤≤ scattered above ENE hor.	
1	C	≤≤ scattered along E hor.	
3	C	≤≤ scattered along E hor. ; ≤ in remainder of hor.	
1	B	≤≤ scattered about hor. from E to S.	
1	B	"	
0	B	A few pieces of ≤≤ in SE hor. ; mist along W hor.	
0	B	" "	
0	L	" "	
0	L	Mist along W hor.	
0	L	A few pieces of ≤ above S and NW hor.	
0	L	A few ≤ above S and NW hor.	
0	C	≤≤ scattered from S to E hor.	
1	C	"	
0	C	Pieces of ≤≤ scattered from E to SSW hor.	
0	C	Pieces of ≤≤ scattered from E to SSW hor. ; a few ≤ in W hor.	
1	L	≤ and ≤≤ scattered around hor., except in W and NE.	
0	L	A few pieces of ≤≤ and ≤ in hor.	
0	B	"	
0	B	Clear, except in hor.	
0	B	" "	
1	L	≤ scattered around hor.	
1	L	"	
0	L	A few ≤ in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°2.
0	C	Clear, except in hor.	
0	C	" "	
0	B	A few ≤≤ in E ; dew falling.	
0	B	" "	
1	L	≤≤ scattered around hor. ; dew falling.	
1	L	≤≤ scattered along E hor. ; mist along W hor.	
0	C	A few pieces of ≤≤ along E hor. ; mist along W hor.	
1	C	≤≤ scattered along W hor.	
1	B	≤≤ scattered in E and W hor. ; mist along W hor.	
0	B	A few ≤≤ in E hor. ; mist along W hor.	
0	L	" "	
0	L	Clear.	
0	C	A few pieces of ≤≤ in SSE.	
0	C	Clear.	
0	B	"	
0	B	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	L	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Sparks of Volta 1.	Electrical Instruments. Readings of Sparks of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov.27th-Midnight	29.836	29.183	76°6	70°0	6°6	66°7	0.73	77°4	80°7	NNW	0.0		+	10		Not Obsd.
1 a. m.	.820	.110	75.9	71.4	4.5	69.3	.77	76.5	80.5	„	0.0		+	5		Not Obsd.
2 „	.810	.122	76.6	71.0	5.6	68.3	.81	77.3	80.5	N b E	0.0					
3 „	.811	.109	76.0	71.2	4.8	68.9	.80	76.7	80.4	NNE	0.0					
4 „	.817	.134	76.5	70.8	5.6	68.1	.77	77.0	80.3	„	0.1					
5 „	.833	.140	76.2	71.0	5.2	68.5	.78	76.5	80.1	NE b N	0·0					
6 „	.852	.149	75.3	71.0	4.3	69.0	.82	76.0	79.9	„	0.1					
7 „	.878	.161	76.0	71.6	4.4	69.6	.81	76.3	79.7	NNE	0.1		+	2		2.04
8 „	.902	.197	78.4	72.0	6.4	69.0	.74	78.2	79.9	„	0·2					
9 „	.906	.235	80.8	71.8	9.0	67.5	.65	80.1	80.4	NE b N	0·2					
10 „	.898	.277	82.6	71.0	11.6	65.2	.57	82.0	80.7	NNE	0·1					
11 „	.881	.279	87.0	71.8	15.2	64.2	.48	85.3	81.3	N	0.2					
Noon.	.859	.356	90.2	70.0	20.2	58.8	.37	88.5	82.0	NNW	0.2	None.	+	2	None.	Above 10m.
1 p. m.	.824	.085	89.0	76.0	13.0	70.5	.56	87.2	82.2	NW b W	0.4					
2 „	.805	28.985	87.7	77.7	10.0	73.7	.65	86.2	82.0	„	0.5					
3 „	.795	.990	86.5	77.0	9.5	73.2	.66	85.0	82.0	„	0.3					
4 „	.795	29.003	85.2	76.3	8.9	72.7	.67	84.0	82.0	„	0·7					
5 „	.800	.001	82.8	75.8	7.0	73.0	.73	82.1	82.0	„	0.6					
6 „	.810	.028	81.5	75.0	6.5	72.2	.75	81.2	81.9	„	0·5		+	4		0.40
7 „	.828	.040	81.0	75.0	6.0	72.5	.76	81.0	81.7	NW	0·6		+	3		0.48
8 „	.845	.073	80.4	74.4	6.0	71.8	.76	80.3	81.6	„	0.4		+	8		0.50
9 „	.857	.103	78.6	73.4	5.2	71.1	.79	79.0	81.4	NW b N	0.1		+	8		0.36
10 „	.859	.172	77.4	71.2	6.2	68.2	.74	78.0	81.1	„	0·1		+	5		0.40
11 „	.857	.155	77.0	71.5	5.5	68.9	.77	77.5	80.9	„	0.0		+	2		2.04
Nov.29th-Midnight	.844	.131	75.0	71.2	3.8	69.3	.84	75.6	80.1	NW b N	0.0					
1 a. m.	.830	.076	73.6	71.9	1.7	71.1	.92	74.7	80.0	„	0.0					
2 „	.814	.087	73.6	71.0	2.6	70.0	.89	74.5	79.7	NNE	0.0					
3 „	.801	.123	74.4	70.0	4.4	67.8	.81	75.2	79.6	„	0·0					
4 „	.815	.161	73.2	68.9	4.3	66.7	.81	74.2	79.4	„	0.0					
5 „	.842	.240	72.2	67.0	5.2	64.2	.78	74.0	79.1	„	0.0					
6 „	.857	.317	73.5	65.5	8.0	60.9	.67	74.0	79.0	NE	0.1					
7 „	.890	.341	74.4	66.1	8.3	61.4	.66	74.8	78.8	ENE	0.1					
8 „	.915	.418	77.4	65.5	11.9	58.4	.54	77.5	79.1	„	0.1					
9 „	.926	.399	79.6	67.2	12.4	60.2	.53	78.8	79.5	„	0.1					
10 „	.919	.344	80.6	69.0	11.6	62.8	.57	79.7	79.7	„	0.1					
11 „	.905	.347	81.6	68.8	12.8	61.9	.53	80.7	80.0	„	0.1	None.			None.	
Noon.	.863	.333	84.6	69.0	15.6	60.4	.46	83.1	80.3	NW	0.2					
1 p. m.	.826	.252	85.3	70.5	14.8	62.8	.48	83.4	80.4	WNW	0.1					
2 „	.802	.224	85.9	70.8	15.1	63.0	.48	84.0	80.5	W b N	0.2					
3 „	.780	.136	85.2	72.4	12.8	66.3	.55	83.8	80.7	„	0.4					
4 „	.772	.160	84.1	71.2	12.9	64.7	.54	82.6	80.6	„	0.3					
5 „	.781	.133	81.3	71.3	10.0	66.5	.63	80.7	80.6	WNW	0.6		+	1		Above 10m.
6 „	.793	.153	79.4	70.6	8.8	66.1	.65	79.3	80.5	„	0.3		+	2		Above 10m.
7 „	.809	.133	78.4	71.2	7.2	67.8	.71	78.3	80.3	„	0.5		+	1		Above 10m.
8 „	.822	.161	77.7	70.8	6.9	67.1	.72	77.7	80.2	„	0.2		+	2		Above 10m.
9 „	.834	.292	75.5	66.3	9.2	61.0	.63	75·6	79.7	NW	0.1					
10 „	.836	.308	73.1	65.0	8.1	60.3	.66	74.2	79.3	NW b N	0.0					
11 „	.821	.335	72.8	63.5	9.3	57.8	.61	74.0	79.0	„	0.0					
Nov.30th-Midnight	.798	.235	73.4	66.2	7.2	62.2	.69	74.2	78.8	NW	0.0					
1 a. m.	.782	.240	71.8	65.0	6.8	61.6	.71	73.0	79.6	„	0.0		+	2		Above 10m.
2 „	.767	.228	71.0	64.6	6.4	61.5	.72	72.5	79.4	„	0.0		+	7	5	1.20
3 „	.757	.117	71.2	68.0	3.2	66.6	.86	72.6	79.1	„	0.0		+	2		5.10
4 „	.757	.155	70.8	66.5	4.3	64.2	.81	72.4	79.0	NNW	0.1		+	4	3	4.25
5 „	.769	.149	72.0	67.5	4.5	65.1	.80	73.0	77.8	„	0.1	None.	+	1		4.30
6 „	.772	.095	72.3	69.3	3.0	67.8	.87	72.6	77.9	NNE	0.1		+	4		1.20
7 „	.794	.141	72.0	68.5	3.5	66.7	.84	72.6	77.6	„	0·1		+	1		Above 10m.
8 „	.822	.182	74.7	69.0	5.7	66.1	.76	74.9	78.0	„	0.1					
9 „	.848	.227	77.0	69.2	7.8	65.2	.68	77.0	78.2	„	0.1		+	1		1.05
10 „	.831	.303	79.5	67.2	12.3	60.3	.54	79.1	78.6	NW	0.1					
11 „	.806	.104	82 0	73.0	9.0	68.9	.66	80.5	79.0	WNW	0.1		+	2		3.36

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	L	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°2.
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	A few in E hor.; mist along W hor.	
0	B	Mist along W hor.	
0	B	"	
0	L	"	
0	L	"	
0	L	Clear.	
0	L	"	
0	C	A few pieces of in E hor.	
1	C	Patches of scattered along E hor.	
1	C	Patches of scattered in E and SE above hor.	
1	C	and scattered along E hor.	
1	B	"	
0	B	A few scattered above SE hor.	
0	B	Clear.	
0	B	"	
0	B	A few in E above hor.	
0	B	"	
0	B	Cloudless.	
0	B	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°2.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	R	" "	
1	R	scattered along E hor.; mist along W hor.	
1	R	" "	
1	R	A few patches of in E hor.; mist along W hor.	
0	L	Light mist from W to NE hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	A few pieces of in E and S hor.	
0	R	A few pieces of in SE and SW hor.	
0	R	Clear.	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	A few in E above hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°1. At 3 P. M. the reading of Barometer corrected for temperature was 29.713in. smallest in the month, and about 0.128in. smaller than the normal mean; at 4 A. M. the reading of air thermometer was 70°8 least during the month.
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	A few in E hor.; dew falling.	
0	R	" "	
2	R	scattered above NW and S hor.	
2	R	scattered about hor.; mist along W hor.	
1	R	scattered above E, SE, S, and SW hor.; mist along W hor.	
1	B	scattered along E hor.; mist along W hor.	
1	B	" "	
1	B	" "	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometer. In the Air.	Thermometer. Wet Bulb Thermometer.	Thermometer. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 30th–Noon.	29.781	29.094	83°3	73°0	10°3	68°2	0.62	81°3	79.4	W b N	0.1			•		
1 p. m.	.755	.091	83.8	72.5	11.3	67.2	.59	82.2	79.5	W	0.1					
2 „	.729	.070	84.5	72.6	11.9	67.0	.57	82.6	80·0	„	0.2		+	1		Above 10m.
3 „	.713	.043	84.8	73.0	11.8	68.3	.58	83.0	80.2	„	0.1					
4 „	.723	.059	83.4	72.4	11.0	67.4	.59	82.0	80.2	„	0·1		+	2		Above 10m.
5 „	.738	.052	80.7	72.2	8.5	68.2	.67	80.0	79.9	„	0·5	None.	+	2	None.	Above 10m.
6 „	.752	.086	78.6	71.0	7.6	67.3	.70	78.1	79.7	WNW	0.3		+	2		Above 10m.
7 „	.775	.098	77.6	71.0	6.6	67.8	.73	77.5	79.7	„	0.0		+	2		Above 10m.
8 „	.804	.116	76.6	71.0	5.6	68.3	.77	76.7	79.5	„	0.0		+	2		Above 10m.
9 „	.815	.121	76.1	71.0	5.1	68.6	.79	76.3	79.2	„	0.0		+	1		Above 10m.
10 „	.820	.138	74.0	70.0	4.0	68.0	.83	74.6	78.9	„	0.0		+	1		Above 10m.
11 „	.819	.151	72.8	69.2	3.6	67.4	.84	73.8	78.6	„	0.0		+	1		Above 10m.
Dec. 1st-Midnight	.812	.123	73.4	70.0	3.4	68.3	.85	74.4	78.5	WNW	0.0		+	1		Above 10m.
1 a. m.	.806	.134	75.2	70.1	5.1	67.6	.78	75.5	78.7	„	0·0					
2 „	.793	.128	74.9	69.8	5.1	67.2	.78	75.2	78.6	„	0.1		+	2		Above 10m.
3 „	.773	.139	73.8	68.5	5.3	65.8	.77	74.5	78.5	„	0.1					
4 „	.787	.145	73.0	68.5	4.5	66.2	.80	74.0	78.2	„	0.0		+	1		Above 10m.
5 „	.794	.128	73.3	69.3	4.0	67.3	.82	74.3	78.2	„	0.0		+	6		4.10
6 „	.814	.139	74.6	70.0	4.6	67.7	.80	74.8	78.2	„	0.0		+	10	10	Above 10m.
7 „	.844	.135	74.7	71.0	3.7	69.2	.84	75.0	78.2	N	0.0					
8 „	.867	.134	76.5	72.2	4.3	70.2	.82	76.3	78.4	„	0.1		+	1		Above 10m.
9 „	.879	.191	76.6	71.0	5.6	68.3	.77	76.5	78.4	NW b N	0.2					
10 „	.882	.182	78.2	71.8	6.4	68.8	.74	78.2	78.7	NW	0·3					
11 „	.865	.186	79.4	71.6	7.8	67.9	.69	78.8	79.0	„	0·4	None.	+	2		Above 10m.
Noon.	.849	.193	80.2	71.2	9.0	66.8	.65	79.3	79.1	NW b W	0.4		+	3		3.30
1 p. m.	.824	.175	80.8	71.2	9.6	66.5	.63	79.6	79.2	WNW	0.6		+	3		2.19
2 „	.805	.205	80.4	70.0	10.4	64.1	.60	79.2	79.0	„	0.8		+	2	•	3.39
3 „	.796	.154	79.2	70.5	8.7	66.2	.66	78.7	78.9	„	0.5		+	2		3.45
4 „	.803	.137	76.5	70.0	6.5	67.3	.73	76.4	78.6	NW b W	0.7		+	2		2.05
5 „	.821	.245	75.1	67.2	7.9	62.9	.67	75.2	78.4	„	0.5		+	2	•	Above 10m.
6 „	.838	.292	74.9	66.2	8.7	61.3	.65	74.9	78.3	„	0.2		+	2		Above 10m.
7 „	.858	.292	74.3	66.6	7.7	62.3	.68	74.5	78.1	„	0.8		+	4		Above 10m.
8 „	.880	.300	74.2	67.0	7.2	63.1	.70	74.0	78.0	„	1.5		+	4		Above 10m.
9 „	.885	.292	73.6	67.2	6.4	63.8	.73	73.8	77.8	„	0.5		+	3		Above 10m.
10 „	.880	.291	73.4	67.0	6.4	63.5	.73	73.8	77.6	„	0.2		+	5	4	Above 10m.
11 „	.878	.289	73.4	67.0	6.4	63.5	.73	73.9	77.6	WNW	0.2		+	6	5	Above 10m.
Dec. 2nd-Midnight	.873	.278	72.8	67.0	5.8	63.9	.75	73.4	77.5	WNW	0.1		+	4		Above 10m.
1 a. m.	.860	.255	71.9	67.0	4.9	64.4	.78	72.7	77.4	„	0.1		+	2		Above 10m.
2 „	.858	.243	72.5	67.5	5.0	64.9	.78	72.0	77.2	W b N	0.2	0.02	+	1		Above 10m.
3 „	.863	.176	69.9	68.8	1.1	68.2	.95	72.5	76.6	WNW	0.1	00.7				
4 „	.865	.194	69.9	68.0	0.9	67.5	.96	70.0	76.5	NNW	0.1	00.5				
5 „	.894	.226	68.6	67.8	0.8	67.4	.96	69.8	76.3	N	0.0		+	1		Above 10m.
6 „	.906	.308	68.5	65.6	2.9	64.0	.87	68.9	76.0	N b W	0.1					
7 „	.933	.346	68.4	65.2	3.2	63.4	.85	69.0	75.9	„	0·1		+	1		Above 10m.
8 „	.960	.394	69.1	64.8	4.3	62.3	.80	69.2	75.9	N b E	0.1		+	1		1·40
9 „	.973	.390	71.0	66.0	5.0	63.2	.78	71.0	76.0	NNE	0.1		+	4		2.30
10 „	.970	.381	72.8	66.8	6.0	63.5	.74	73.0	76.2	„	0.1		+	1		Above 10m.
11 „	.955	.377	74.4	67.0	7.4	63.0	.69	74.3	76.5	N b W	0.6		+	1	None.	Above 10m.
Noon.	.932	.368	75.6	67.0	8.6	62.2	.65	75.1	76.8	NNW	0.8		+	2		Above 10m.
1 p. m.	.904	.392	76.0	65.5	10.5	59.3	.58	72.4	76.6	NW	0.5		+	1		Above 10m.
2 „	.894	.394	76.2	65.2	11.0	58.6	.56	72.4	76.7	„	0.4		+	1		Above 10m.
3 „	.887	.389	76.0	65.2	10.8	58.5	.56	72.2	76.6	„	0·2		+	1		Above 10m.
4 „	.899	.388	74.9	65.1	9.8	59.3	.60	74.5	76.0	„	0.3		+	2		4.40
5 „	.912	.405	72.2	64.0	8.2	59.0	.65	72.3	76.4	„	0.6		+	1		Above 10m.
6 „	.933	.432	71.1	63.4	7.7	58.7	.67	71.2	76.2	„	0.2					
7 „	.945	.472	70.4	62.2	8.2	57.0	.63	71.0	75.9	„	0.5		+	1		Above 10m.
8 „	.961	.469	70.0	62.7	7.3	58.1	.68	70.7	75.7	NW b N	0·8		+	2		Above 10m.
9 „	.963	.447	68.6	63.0	5.6	59.6	.75	68.7	75.4	NNW	0.5		+	1		Above 10m.
10 „	.963	.507	66.6	60.2	6.4	55.9	.70	67.2	75.0	N b W	0.2					
11 „	.959	.523	65.2	59.0	6.2	54.5	.70	65.8	74.6	„	0·2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are : ≤ cirri ; ≤≤ cirro-cumuli ; ∩ cumuli ; ⌒ cirro-strati ; ∩ cumulo-strati ; and ≤∩ nimbi.	
1	B	≤ scattered along E hor. ; mist from E to W hor.	
2	C	≤ and ≤≤ scattered from ESE hor.	
1	C	"	
1	C	≤ and a few ≤≤ scattered from N to S hor.	
1	C	≤≤ scattered from N to S hor.	
1	R	≤≤ scattered from E to S hor.	
1	R	"	
0	R	Clear.	
0	R	"	
0	B	"	
0	B	"	
0	B	Clear ; dew falling.	
0	B	Clear ; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°1. The height of standard barometer at 3 A. M. was 29.773 least during the month and about 0.069in. lower than the normal mean.
0	C	" "	
0	C	" "	
0	C	A few pieces of ≤≤ in S hor. ; dew falling.	
1	C	≤≤ scattered from SE to NW hor.	
1	R	Patches of ≤≤ scattered around hor., except in NW.	
5	R	≤≤ scattered about, moving E.	
5	R	≤≤ scattered about, moving ESE ; mist in NW and N hor.	
5	R	" " "	
3	L	Light ≤≤ scattered about hor., moving S ; mist in W, NW, and N hor.	
2	L	" " " "	
2	L	Light ≤≤ scattered from N to S hor., moving S.	
2	L	Light ≤≤ scattered from N to S hor. ; ≤ above S and SW hor.	
2	C	≤≤ and ≤ scattered in E hem.	
4	C	≤≤ scattered along E hor. ; ≤ scattered about.	
3	C	"	
7	C	Densely clouded with ≤≤, moving E.	
7	R	" "	
6	R	≤≤ scattered about, moving E.	
5	R	" "	
5	R	" "	
2	L	≤≤ scattered about hor., moving NE.	
1	L	≤≤ scattered around hor.	
1	L	"	
1	L	Light ≤≤ scattered around hor. [with wind.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°1.
0	H	A few pieces of ≤≤ in hor. during observation, but sky densely clouded after 1h. 30m. rain commenced at 1h. 45m.	
8	H	Overcast with ≤≤, moving SE ; drizzling rain.	
8	H	Overcast with ≤≤, moving ESE ; rain ceased at 3h. 35m.	
7	H	≤≤ scattered throughout, moving SE.	
7	R	" "	
7	R	≤≤ scattered throughout, moving SSE.	
5	R	≤≤ scattered about, moving E ; mist and fog in hor.	
5	R	≤≤ scattered about, moving ENE ; mist along W hor.	
2	L	≤≤ and mist along W hor. ; mist from W to N hor.	
3	L	≤≤ scattered about, moving S ; mist from W to N hor.	
2	L	≤≤ scattered about hor., moving E ; mist from W to N hor.	
1	L	Patches of ≤≤ scattered here and there.	
2	C	≤≤ and ≤ scattered here and there, former moving NE.	
2	C	≤≤ scattered from N to ESE hor., moving NE ; ≤ scattered here and there.	
4	C	≤≤ around hor. ; ≤ scattered about, former moving NE.	
5	C	≤≤ in hor. from E to W ; ≤ scattered about, former moving NE.	
3	R	≤≤ along W hor. ; ≤ scattered along E hor.	
2	R	≤≤ from SW to NW hor. ; ≤ from SE to S hor.	
0	R	Clear, except in hor.	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	A few ≤ in SW, W, and NW hor.	

On the 2nd at about 1h. 30m. A.M., the sky became densely clouded with heavy ≤≤ whose motion was ESE ; light rain commenced to fall at 1h. 46m. ; fresh breezes of wind were blowing between 1h. 45m. and 2h., the force of which was about 1.5lb.

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in minutes for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 3rd-Midnight	29.959	29.499	65°2	59°8	5°4	56°2	0.74	66°8	74°4	N b W	0.1					
1 a. m.	.946	.502	64.5	59.0	5.5	55.1	.73	66.2	74.2	„	0·1		+	1		Above 10m.
2 „	.929	.500	63.8	58.2	5.6	54.1	.73	65.4	74.0	„	0·1					
3 „	.928	.490	63.5	58.4	5.1	54.7	.75	65.0	73.6	„	0.1					
4 „	.929	.486	63.3	58.5	4.8	55.0	.80	64.9	73.4	„	0·1					
5 „	.940	.541	62.4	56.6	5.8	51.9	.71	63.5	73.0	„	0·1					
6 „	.960	.583	62.0	55.6	6.4	50.3	.68	63.0	72.5	„	0.1					
7 „	.973	.608	62.2	55.2	7.0	49.3	.65	63.6	72.5	„	0.1					
8 „	30.008	.656	65.7	56.2	9.5	48.2	.56	66.2	72.6	„	0.1					
9 „	.016	.607	69.2	59.6	9.6	52.7	.58	69.4	73.0	N	0.1		+	1		Above 10m.
10 „	.007	.632	71.8	59.4	12.4	50.1	.49	71.8	73.4	„	0.3		+	2		Above 10m.
11 „	29.976	.681	74.2	61.0	13.2	51.6	.47	73.4	74.1	NW	0·2		+	1		Above 10m.
Noon.	.932	.527	76.6	62.2	14.4	52.4	.45	75.6	74.6	„	0.5		+	2		Above 10m.
1 p. m.	.892	.462	78.6	63.8	14.8	54.2	.45	77.5	75.0	NNW	0.5	None.	+	2	None.	Above 10m.
2 „	.865	.410	79.7	65.0	14.7	55.7	.46	78.1	75.4	„	0.6		+	3		5.50
3 „	.856	.367	79.8	66.1	13.7	58.0	.49	78.5	75.7	NW b W	0·8		+	3		5.20
4 „	.852	.315	79.2	67.4	11.8	60.8	.55	78.0	75.6	NW	0.8		+	3		3.15
5 „	.870	.324	76.4	66.7	9.7	61.3	.61	75.8	75.7	„	0·3					
6 „	.888	.315	75.4	67.2	8.2	62.7	.66	75.0	75.7	NW b W	0·4					
7 „	.903	.391	74.0	64.8	9.2	59.3	.62	73.8	75.6	„	0.3		+	1		Above 10m.
8 „	.923	.425	71.9	63.6	8.3	58.5	.65	71.6	75.5	NNW	0·1					
9 „	.928	.458	70.1	62.0	8.1	56.7	.64	70.1	75.1	„	0.1					
10 „	.931	.533	68.4	59.4	9.0	51.9	.60	68.8	74.6	„	0.1					
11 „	.920	.536	67·5	58.0	9.4	50.8	.58	67.9	74.5	„	0.1					
Dec. 5th-Midnight	.888	.369	69.2	63.3	5.9	59.7	.73	70.4	75.1	NW	0.0		+	2		Above 10m.
1 a. m.	.865	.292	69.0	65.0	4.0	62.7	.81	69.0	74.7	NW b N	0.0		+	4		3.30
2 „	.851	.315	67.4	63.2	4.2	60.7	.80	69.0	74.5	NNE	0.0		+	4		3.30
3 „	.845	.310	69.6	64.0	5.6	60.6	.75	70.2	74.5	N b E	0·0		+	5	4	2.00
4 „	.850	.330	69.4	63.4	6.0	59.8	.73	69.8	74.5	NE b N	0.0		+	3		4.00
5 „	.854	.284	69.8	65.2	4.6	62.6	.79	70.1	74.6	„	0·0		+	6	5	4.10
6 „	.881	.324	69.2	64.6	4.6	61.9	.78	69.9	74.4	„	0.1		+	3		Above 10m.
7 „	.905	.358	69.1	64.2	4.9	61.3	.78	70.0	74.3	„	0.1		+	2		Above 10m.
8 „	.934	.423	71.8	64.0	7.8	59.5	.67	72.0	74.4	„	0.1		+	2		Above 10m.
9 „	.956	.401	75.0	66.2	8.8	61.8	.64	74.4	75·0	„	0.1					
10 „	.947	.431	77.1	66.0	11.1	59.6	.56	76.6	75.4	„	0.1					
11 „	.931	.414	78.5	66.5	12.0	59.6	.54	77.5	75.7	„	0.1	None.	+	2		Above 10m.
Noon.	.895	.347	80.1	68.0	12.1	61.4	.55	78.7	76.1	„	0.1		+	3		Above 10m.
1 p. m.	.856	.323	82.0	68.2	13.8	60.5	.50	80.4	76.6	SW b W	0.1		+	3		Above 10m.
2 „	.836	.267	82.4	69.4	13.0	62.5	.53	80.5	76.9	WSW	0.4		+	4	4	2.30
3 „	.829	.314	83.0	68.0	15.0	59.5	.47	80.9	77.2	„	0.2		+	2		Above 10m.
4 „	.831	.300	82.2	68.2	14.0	60.4	.50	80.3	77.4	SW b W	0.2		+	3		Above 10m.
5 „	.838	.298	79.3	67.5	11.8	60.9	.55	78.5	77.2	„	0.1		+	3		Above 10m.
6 „	.854	.233	77.7	69.4	8.3	65.2	.68	77.2	77.0	W b N	0.1		+	4		5.10
7 „	.890	.238	76.1	69.8	6.3	66.6	.74	76.0	76.8	„	0.1		+	1		Above 10m.
8 „	.906	.291	75.5	68.5	7.0	64.9	.71	75.6	76.6	„	0·1		+	1		Above 10m.
9 „	.920	.362	73.3	66.0	7.3	61.9	.69	73.7	76.4	NW b W	0.1					
10 „	.921	.347	72.1	66.1	6.0	62.8	.74	72.1	76.0	„	0.1		+	1		Above 10m.
11 „	.903	.337	71.1	65.5	5.6	62.3	.75	71.5	75.9	„	0.0					
Dec. 6th-Midnight	.893	.355	69.4	64.0	5.4	60.8	.76	70.5	75.5	WNW	0.0		+	1		Above 10m.
1 a. m.	.873	.353	69.4	63.4	6.0	59.8	.73	70.0	75.3	„	0.0					
2 „	.855	.297	70.4	65.0	5.4	61.9	.76	71.3	75.2	NW b N	0·0		+	1		Above 10m.
3 „	.855	.251	70.2	66.4	3.8	64.3	.83	71.0	75.2	„	0.0					
4 „	.866	.291	69.4	65.2	4.2	62.8	.81	70.3	75.1	N b W	0.0					
5 „	.874	.301	69.0	65.0	4.0	62.7	.82	70.0	75.0	„	0.0	None.			None.	
6 „	.895	.327	67.2	64.2	3.0	62.5	.86	68.5	74.5	NNW	0.1		+	3		2.45
7 „	.927	.353	69.4	65.0	4.4	62.5	.80	70.0	74.7	N b W	0·1					
8 „	.958	.407	71.1	65.0	6.1	61.5	.73	71.5	74.7	NW b W	0.1					
9 „	.973	.422	74.0	66.0	8.0	61.5	.67	73.9	75.1	„	0·1					
10 „	.965	.404	75.9	67.0	8.9	62.1	.64	75.4	75.5	NNW	0.1		+	2		Above 10m.
11 „	.946	.400	77.8	67.2	10.6	61.3	.59	76.8	75.9	„	0.1		+	3		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ⌒≤≤ nimbi.	
0	L	A few ≤ in SW and hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°1. At 6 A. M. the temperature of air was as low as 62°0, and about 9°4 lower than the normal mean for that hour.; at 7 A. M. the reading of wet bulb thermometer was 55°2 smallest in the month, and about 12°6 smaller than the normal mean.
0	H	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	A few ≤ along E hor. and in E of zth.; mist in hor.	
2	R	A few ≤ above E hor.; mist around hor.	
0	R	≤ scattered from NE to SW hor.; fog and mist in hor.	
0	L	Mist and fog in hor.; otherwise cloudless.	
0	L	Mist in hor.	
0	L	"	
0	L	Clear, except a few ≤ along E hor.	
0	H	A few ≤ along E hor.	
0	H	A few ≤ in ESE hor.	
0	H	"	
0	H	A few ≤ along E hor.	
0	R	"	
0	R	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 83°2.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	A few ≤ above ENE hor.; fog and mist in hor.	
0	H	" "	
0	H	" "	
0	R	Fog and mist in hor.	
0	R	"	
0	R	Mist along W hor.	
0	R	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	A few ≤ in E hor.	
0	H	Clear.	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°6 and 83°2.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	Clear; dew falling.	
0	H	Fog and mist in hor.	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Mist along W hor.	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 6th-Noon.	29.896	29.324	79·4	68°5	10°9	62·7	0.58	78·3	76·2	W b S	0.1					
1 p. m.	.855	.246	80.6	70.0	10.6	64.6	.60	79.4	76.5	W b N	0.5					
2 „	.834	.215	81.0	70.4	10.6	65.1	.60	79.5	76.6	„	0.5		+	3		Above 10m.
3 „	.833	.216	81.2	70.4	10.8	65.0	.59	79.6	76.8	WNW	1.0		+	4		2.30
4 „	.837	.219	79.8	70.0	9.8	65.0	.62	78.4	76.8	„	1.0		+	2		Above 10m.
5 „	.844	.189	77.1	70.2	6·9	66.8	.70	76.8	76.6	NW	0.8	None.	+	2	None.	Above 10m.
6 „	.859	.192	75.6	70.1	5.5	67.3	.77	75.5	76.6	„	0.7		+	3		4.50
7 „	.880	.270	75.0	68.2	6.8	64.6	.72	75.2	76.6	„	1.5		+	2		Above 10m.
8 „	.900	.321	74.8	67.2	7.6	63.0	.68	75.0	76.4	„	1·7		+	2		Above 10m.
9 „	.922	.338	73.0	66.7	6.3	63.2	.73	73.2	76.2	NW b N	0·1		+	2		Above 10m.
10 „	.922	.375	71.4	65.0	6.4	61.3	.72	71.7	75.9	„	0.1		+	4		Above 10m.
11 „	.912	.373	70.4	64.4	6.0	60.9	.73	70.8	75.5	„	0.1		+	3		Above 10m.
Dec. 7th-Midnight	.900	.383	69.7	63.4	6.3	59.6	.72	70.3	75.4	NW b N	0.0					
1 a. m.	.880	.342	68.8	63.8	5.0	60.8	.77	69.5	75.2	„	0.1		+	2		Above 10m.
2 „	.866	.392	67.6	61.2	6.4	57.0	.70	69.1	74.9	„	0.0		+	1		Above 10m.
3 „	.860	.411	66.6	60.0	6.6	55.4	.69	68.3	74.6	„	0.0		+	1		Above 10m.
4 „	.868	.336	67.2	63.0	4.2	60.5	.80	68.6	74.2	N	0.0		+	4		2.30
5 „	.879	.343	66.4	62.9	3.5	60.7	.83	68.0	74.2	NNE	0.0		+	1		Above 10m.
6 „	.892	.377	66.0	62.0	4.0	59.5	.81	68.0	74.0	N	0.1		+	2		Above 10m.
7 „	.928	.430	66.2	61.5	4.7	58.5	.78	68.0	73.8	NNW	0.1		+	6	5	1.40
8 „	.954	.392	70.5	75.2	5.3	62.1	.76	70.0	74.0	N	0.1		+	15	15	3.30
9 „	.979	.363	73.0	67.7	5.3	64.9	.77	72.7	74.5	N b E	0.1		+	1		2.25
10 „	.969	.378	75.2	67.7	7.5	63.5	.69	74.7	74.9	NNE	0.1		+	7		2.25
11 „	.952	.399	76.6	67.0	9.6	61.5	.62	76.0	75.2	„	0·1	None.				
Noon.	.923	.359	78.6	68.0	10.6	62.2	.59	77.8	75.6	W b N	0.1					
1 p. m.	.896	.325	79.8	68.6	11.2	62.6	.57	77.6	75.8	WNW	0.3		+	1		Above 10m.
2 „	.875	.304	81.0	69.0	12.0	62.6	.55	79.0	76·3	„	0.4		+	1		Above 10m.
3 „	.872	.255	80.6	70.2	10.4	65.0	.60	78.9	76.5	„	0.4		+	4		1.30
4 „	.876	.243	79.8	70.4	9.4	65.7	.64	78.3	76.5	„	0.5		+	2		Above 10m.
5 „	.885	.284	76.8	68.5	8.3	64.2	.67	76.2	76.4	NW b W	0.4					
6 „	.890	.277	75.0	68.8	7.8	64.8	.68	75.0	76.2	NW	0.4					
7 „	.911	.262	74.5	69.2	5.3	66.5	.77	74.6	76.2	„	0·3					
8 „	.926	.308	73.7	68.0	5.7	65.0	.76	74.0	76.1	NW b N	0.2					
9 „	.948	.375	71.9	66.0	5.9	62.7	.74	72.5	75.6	NNW	0.1					
10 „	.951	.384	70.7	65.4	5.3	62.4	.76	71.1	75.5	„	0.1		+	1		Above 10m.
11 „	.940	.380	69.9	64.9	5.0	62.0	.77	70.5	75.3	„	0·1					
Dec. 8th-Midnight	.926	.336	68.6	65.4	3.2	63.6	.85	69.4	74.8	NNW	0.0		+	6	5	5.50
1 a. m.	.908	.305	68.6	65.8	2.8	64.3	.87	68.9	74.7	„	0.0					
2 „	.895	.334	67.8	64.2	3.6	62.1	.83	69.1	74.6	N b W	0.0		+	1		Above 10m.
3 „	.888	.409	65.6	60.6	5.0	57.3	.76	67.5	74.2	„	0·0					
4 „	.897	.329	66.6	64.0	2.6	62.5	.87	68.4	73.9	NNW	0.0					
5 „	.906	.407	66.1	61.5	4.6	58.6	.79	67.5	73.8	„	0.0					
6 „	.923	.374	67.0	63.5	3.5	61.4	.88	68.3	73.8	N b W	0.1					
7 „	.954	.407	66.2	63.0	3.2	61.3	.85	68.3	73.6	„	0.0		+	5	4	5.39
8 „	.979	.377	70.8	66.5	4.3	64.2	.81	71·0	74.0	NNE	0.1		+	1		Above 10m.
9 „	.994	.407	72.7	66.7	6.0	63.4	.74	72.3	74.3	N b E	0.1		+	3		Above 10m.
10 „	.994	.419	74.6	67.0	7.6	62.8	.68	74.1	74.6	„	0.1		+	4		Above 10m.
11 „	.974	.394	76.9	67.9	9.0	63.1	.64	76.0	75.1	„	0.1	None.	+	2		Above 10m.
Noon.	.939	.315	79.9	70.2	9.7	65.3	.63	78.2	75.6	NW b W	0.1		+	2		Above 10m.
1 p. m.	.901	.273	82.0	71.0	11.0	65.5	.59	81.0	76.2	NW	0.4		+	2		Above 10m.
2 „	.880	.201	81.4	72.2	9.2	67.9	.65	79.4	76.4	WNW	0.8		+	2		Above 10m.
3 „	.876	.147	81.6	73.6	8.0	70.1	.69	80.3	76.7	NW	0.8		+	1		Above 10m.
4 „	.876	.154	80.8	73.2	7.6	69.8	.70	79.5	76.9	„	0.5		+	1		Above 10m.
5 „	.885	.148	78.1	72.8	5.3	70.4	.78	77·7	76.7	„	0.1					
6 „	.895	.163	76.6	72.2	4.4	70.2	.82	76.4	76.6	„	0.2					
7 „	.918	.200	75.5	71.5	4.0	69.6	.83	75.8	76.5	NW b W	0.1					
8 „	.923	.259	75.6	70.0	5.6	67.2	.77	75.9	76.5	NW	0.4					
9 „	.944	.307	75.0	69.0	6.0	65.9	.75	75.0	76.5	NNW	0.1					
10 „	.944	.467	73.0	63.3	9.7	57.2	.60	74.0	76.1	N	0.1					
11 „	.942	.277	74.0	69.5	4.5	67.2	.81	74.0	76.1	N b E	0.0		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ∩≤ cirro-strati; ∩∩ cumulo-strati; and ≥≥ nimbi.	
0	R	Mist along W hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°5 and 83°0.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	Clear; dew falling.	
0	H	Fog and mist in hor.	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Mist along W hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 83°9.
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	H	" "	
0	H	" "	
0	H	Fog and mist in hor.	
0	H	"	
0	R	"	
0	R	Light mist around hor.	
0	R	"	
0	R	"	
0	L	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	H	A few ≤ from SW to WNW hor.	
0	H	A few ≤ along W hor.	
0	H	"	
0	H	Clear.	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 9th-Midnight	29.931	29.342	73°4	67°0	6°4	63°5	0.72	73°6	75°9	NNE	0.0		+	2		Above 10m.
1 a. m.	.910	.334	72·2	66.2	6.0	62.9	.74	72.8	75.6	„	0.0		+	2		Above 10m.
2 „	.908	.352	70·0	64.8	5.2	61.8	.77	71.0	75.3	„	0.0		+	2		Above 10m.
3 „	.893	.336	68.8	64.4	4.4	61.9	.80	69.8	75.0	„	0.0		+	1		Above 10m.
4 „	.892	.299	69.0	65.6	3.4	63.8	.84	70.0	74.9	„	0.0		+	1		Above 10m.
5 „	.900	.302	69.0	65.5	3.5	64.0	.84	69.9	74.8	„	0.0		+	2		Above 10m.
6 „	.911	.265	68.2	67.0	1.2	66.4	.94	70.5	74.7	„	0.1					
7 „	.937	.333	70.6	66.5	4.1	64.3	.81	71.4	74.8	NE b N	0.1					
8 „	.956	.384	72.6	66.2	6.4	62.7	.72	72.7	75.0	„	0.1					
9 „	.978	.341	75.0	69.0	6.0	65.9	.75	74.7	75.3	„	0.1					
10 „	.974	.353	78.0	69.5	8.5	65.2	.66	77.1	75.6	NE	0.2					
11 „	.950	.325	80.1	70.3	9.8	65.4	.63	79.0	76.7	„	0.1	None.	+	2		Above 10m.
Noon.	.918	.304	82.5	70.7	11.8	64.8	.57	81.3	76.7	„	0.1		+	2		Above 10m.
1 p. m.	.884	.285	84.6	71.0	13.6	64.1	.52	83.0	77.3	„	0.1		+	5	4	1.00
2 „	.864	.114	83.8	74.8	9.0	71.0	.66	81.6	77.5	WNW	0.3		+	4		0.50
3 „	.853	.091	83.4	75.0	8.4	71.4	.68	81.4	77.7	W b N	0.2		+	4		1.00
4 „	.859	.071	82.4	75.4	7.0	72.5	.73	80.6	77.7	W	0.8		+	3		1.30
5 „	.870	.048	79.7	75.5	4.2	73.8	.83	78.9	77.6	W b N	0.2		+	7	6	5.39
6 „	.883	.062	78.0	75.0	3.0	73.8	.87	77.9	77.5	NW b W	0.1		+	5	4	4.40
7 „	.903	.102	77.0	74.2	2.8	73.0	.88	77.0	77.4	„	0.1		+	2		Above 10m.
8 „	.916	.128	75.9	73.5	2.4	72.5	.90	76.4	77.2	NW	0.1		+	1		Above 10m.
9 „	.942	.244	74.1	70.5	3.6	68.7	.84	75.0	77.0	„	0.1					
10 „	.946	.253	73.0	70.0	3.0	68.5	.87	73.8	76.9	„	0.1					
11 „	.930	.267	72.6	69.0	3.6	67.2	.84	73.2	76.6	NW b N	0.1					
Dec. 10th-Midnight	.921	.278	72·0	68.2	3.8	66.2	.83	73.0	76.5	NW	0.0					
1 a. m.	.904	.231	71.2	68.8	2.4	67.6	.89	72.0	76.2	„	0.0					
2 „	.889	.243	71.2	68.0	3.2	65.4	.86	72.2	76.1	„	0.0					
3 „	.880	.211	70.0	68.5	2.1	67.4	.90	71.6	75.8	„	0.0					
4 „	.880	.192	70.4	69.0	1.4	68.3	.93	71.4	75.6	„	0.0					
5 „	.899	.309	68.6	65.4	3.2	63.6	.85	70.0	75.4	„	0.0					
6 „	.903	.204	70.9	69.5	1.4	68.8	.95	71.4	75.5	NW b W	0.0					
7 „	.935	.236	70.9	69.5	1.4	68.8	.95	71.8	75.5	NW b N	0.0		+	1		Above 10m.
8 „	.963	.255	73.2	70.5	2.7	69.2	.88	73.9	75.7	N b W	0.1					
9 „	.983	.313	75.1	70.0	5.1	67.5	.78	75.0	76.0	„	0.1					
10 „	.977	.291	77.8	71.3	6.5	68.2	.74	77.8	76.4	NW	0·3					
11 „	.967	.232	79.0	73.0	6.0	70.3	.76	78.5	76.6	WNW	0.3					
Noon.	.947	.245	79.3	72.2	7.1	68.9	.72	78.5	76.9	„	0.5	None.			None.	
1 p. m.	.917	.183	80.4	73.4	7.0	70.3	.72	79.4	77.2	NW b W	0.8					
2 „	.897	.126	81.1	74.6	6.5	71.8	.74	79.7	77.4	„	0.8					
3 „	.893	.142	79.6	73.6	6.0	71.0	.76	78.6	77.4	„	0.6					
4 „	.896	.158	79.4	73.2	6.2	70.5	.75	78.4	77.4	„	0.5					
5 „	.907	.128	77.3	73.7	3.6	72.1	.85	77.8	77.2	„	0.3					
6 „	.925	.213	76.0	71.5	4.5	69.3	.81	76.0	77.0	„	0.2					
7 „	.950	.296	75.2	69.6	5.6	66.7	.76	75.4	77.0	NW	0.6					
8 „	.958	.314	74.7	69.2	5.5	66.4	.77	75.0	76.8	NW b N	0.4					
9 „	.975	.307	73.4	69.4	4.0	67.4	.82	74.4	76.6	N b W	0.2					
10 „	.978	.282	72.7	70.0	2.7	68.6	.88	73.2	76.4	N	0·1					
11 „	.983	.278	72.2	70.1	2.1	69.0	.90	73.0	76.2	„	0.1					
Dec. 12th-Midnight	.987	.259	73.0	71.0	2.0	70.0	.91	73.9	76.5	NW	0.1		+	3		1.10
1 a. m.	.971	.245	73.2	71.0	2.2	69.9	.90	73.3	76.4	NNW	0.1		+	6	4	0.25
2 „	.950	.191	72.8	71.8	1.0	71.3	.95	73.5	76.3	„	0.1		+	8	6	0.25
3 „	.946	.183	72.4	71.8	0.6	71.5	.97	73.3	76.2	„	0.1		+	6	4	0.20
4 „	.948	.209	72.0	71.0	1.0	70.5	.95	72.3	76.1	„	0.0		+	5	4	0.20
5 „	.964	.249	71.0	70.0	1.0	69.5	.95	72.0	76.0	„	0.0		+	3		0.24
6 „	.975	.252	71.0	70.2	0.8	69.8	.96	72.2	76.0	„	0.0	None.	+	3		0.25
7 „	.999	.243	71.5	71.2	0.3	71.2	.99	72.8	75.8	„	0.0					
8 „	30.016	.227	74.1	73.0	1.1	72.6	.95	74.4	76.2	„	0.0		+	2		Above 10m.
9 „	.036	.257	76.3	73.4	2.9	72.1	.88	76.1	76.5	N b E	0.0					
10 „	.035	.258	77.5	73.7	3.8	72.0	.84	77.0	76.7	NW	0.1					
11 „	.019	.210	78.1	74.7	3.4	73.3	.86	77.5	77.0	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 79°2 and 83°0.
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear; dew falling.	
0	H	,, ,,	
0	H	≀ scattered from S to WNW hor.; mist and fog in hor.	
2	H	≀ scattered about hor.; mist and fog in hor.	
4	H	≀ scattered about; mist and fog in hor.	
2	R	Light ≀ scattered about hor.; mist and fog in hor.	
4	R	Light ≀ scattered about; mist and fog in hor.	
4	R	,, ,,	
6	R	,, ,,	
3	L	≀ scattered about hor.	
4	L	,,	
2	L	,,	
1	L	,,	
4	H	≀ scattered about.	
4	H	,,	
4	H	,,	
3	H	,,	
3	R	,,	
4	R	,,	
5	R	,,	
7	R	≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 82°9.
7	L	,,	
7	L	,,	
7	L	,,	
6	L	≀ scattered throughout; dew falling.	
7	H	,, ,,	
5	H	,, ,,	
6	H	≀ scattered throughout; mist in hor.	
7	H	,, ,,	
7	R	≀ and ≀≀ scattered throughout; mist and fog in hor.	
6	R	≀ and ≀≀ scattered throughout.	
6	R	Pieces of ≀≀ above E and W hor.; ≀ scattered about.	
5	R	≀ scattered about.	
6	L	Patches of ≀≀ along E hor.; ≀ scattered throughout.	
6	L	,, ,,	
6	L	,, ,,	
5	L	,, ,,	
3	H	≀≀ along E hor.; ≀ scattered from N to ESE hor.	
3	H	≀≀ along E hor.; ≀ scattered around hor.	
3	H	,, ,,	
2	H	≀≀ scattered along E hor.	
1	H	,,	
1	H	Patches of ≀≀ scattered above E hor.; dew falling	
0	H	,, ,,	
3	R	Patches of ≀≀ scattered about, moving NW.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 82°8. The temperature of evaporation at 4 P. M. was 76°2 greatest during the month, and 4°1 greater than the normal mean.
2	L	Patches of ≀≀ scattered about, moving NW; dew falling.	
1	L	≀≀ scattered around hor.; dew falling.	
1	L	,, ,,	
2	L	≀≀ scattered about, moving NW; dew falling.	
2	H	,, ,, ,,	
2	H	,, ,, ,,	
2	H	≀≀ scattered around hor.; mist and fog in hor.	
2	H	,, ,,	
3	R	≀≀ scattered about; mist and fog in hor.	
2	R	≀≀ scattered around hor.; light mist along W hor.	
1	R	≀≀ scattered around hor.; mist in NW and N hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in reasoning the same degree of tension after discharge.
	in.	in.									lbs.	in.				
Dec. 12th–Noon.	29.938	29.203	79°2	74°4	4°8	72°3	0.80	78°2	77°1	NW	0.2					
1 p. m.	.964	.183	80.6	75.2	5.4	72.2	.78	79.3	77.5	NW b W	0.4					
2 „	.944	.138	80.8	75.4	5.4	73.2	.79	79.3	77.6	„	0·4					
3 „	.934	.107	81.0	76.0	5.0	74.0	.80	79.5	77.8	„	0.3					
4 „	.928	.084	80.2	76.2	4.0	74.6	.84	79.0	77.9	„	0.5	None.				
5 „	.937	.116	78.0	75.0	3.0	73.8	.87	77.5	77.8	„	0.3		+	2		Above 10m.
6 „	.949	.115	76.8	75.0	1.8	74.3	.92	76.7	77.7	NW	0.2		+	5	4	1.15
7 „	.961	.156	76.0	74.0	2.0	73.2	.91	76.2	77.6	„	0.4		+	1		Above 10m.
8 „	.988	.207	75.2	73.2	2.0	72.2	.91	75.4	77.5	NW b N	0.3		+	3		2.50
9 „	30.001	.262	74.0	71.6	2.4	70.5	.89	74.8	77.1	N b W	0.1					
10 „	29.996	.275	73.6	71.0	2.6	69.7	.89	74.0	77.0	NNW	0.0		+	3		0.50
11 „	.989	.252	72.2	71.0	1.2	70.4	.95	72.8	76.8	„	0.0		+	4		0.20
Dec. 13th–Midnight	.971	.207	73.0	72.0	1.0	71.5	.95	73.1	76.6	NNW	0.0					
1 a. m.	.951	.216	72.4	71.0	1.4	70.3	.94	72.7	76.6	„	0.0					
2 „	.937	.190	72.6	71.4	1.2	70.8	.95	73.3	76.5	„	0.0		+	3		0.10
3 „	.930	.186	72.2	71.2	1.0	70.7	.95	73.1	76.5	„	0.0					
4 „	.929	.250	71.2	69.0	2.2	67.9	.90	72.5	76.3	„	0.0					
5 „	.945	.316	70.3	67.2	3.1	65.5	.86	71.4	76.1	„	0.0					
6 „	.959	.269	69.6	68.8	0.8	68.4	.96	71.0	75.8	„	0.0					
7 „	.981	.231	70.8	69.5	1.3	68.8	.94	72.0	75.7	N	0.0					
8 „	30.003	.304	74.5	71.2	3.3	69.7	.86	74.4	76.2	N b E	0.1					
9 „	.018	.295	76.1	71.8	4.3	69.8	.82	75.8	76.5	NNE	0.1					
10 „	.017	.270	77.9	73.0	4.9	70.8	.80	77.1	76.7	„	0.1					
11 „	29.995	.259	79.6	73.2	6.4	70.4	.75	78.1	77.2	„	0.1	None.				
Noon.	.963	.229	80.8	73.5	7.3	70.3	.72	79.1	77.5	W b N	0.3					
1 p. m.	.928	.180	81.8	74.2	7.6	70.9	.71	80.3	77·7	WNW	0.5					
2 „	.906	.136	82.6	75.0	7.6	71.8	.71	80.9	78.0	„	0.6					
3 „	.900	.144	82.2	74.5	7.7	71.2	.70	80.6	78.2	NW b W	0·8					
4 „	.900	.121	81.8	75.0	6.8	72.1	.74	80.3	78.3	„	0.5					
5 „	.911	.139	79.0	74.0	5.0	71.3	.80	78.5	78.2	„	0.1		+	1		Above 10m.
6 „	.925	.170	77.2	73.0	4.2	71.2	.82	77.0	78.0	„	0.1					
7 „	.944	.219	76.5	72.0	4.5	69.9	.81	76.4	77.8	„	0.1					
8 „	.955	.240	75.8	71.5	4.3	69.5	.82	76.1	77.7	„	0.1					
9 „	.975	.251	75.0	71.5	3.5	69.9	.85	75.3	77.5	NW b N	0.1		+	2		3.15
10 „	.976	.234	75.0	72.0	3.0	70.6	.87	75.3	77.5	NW	0.1		+	1		Above 10m.
11 „	.971	.246	73.9	71.2	2.7	69.9	.88	74.5	77.2	„	0.0		+	7	6	Above 10m.
Dec. 14th–Midnight	.950	.206	73.2	71.5	1.7	70.7	.92	73.3	77.0	NW	0.0		+	1		Above 10m.
1 a. m.	.940	.188	72.8	71.6	1.2	71.0	.95	73.3	76.9	„	0.0		+	2		Above 10m.
2 „	.922	.185	72.8	71.2	1.6	70.4	.93	73.3	76.8	„	0.0					
3 „	.920	.234	71.2	69.2	2.0	68.2	.91	72.0	76.5	NW b N	0.0		+	1		Above 10m.
4 „	.924	.326	69.6	66.0	3.6	64.0	.84	70.8	76.2	NNW	0·0		+	1		Above 10m.
5 „	.936	.382	69.0	64.4	4.6	61.2	.77	70.0	76.0	„	0.0		+	1		Above 10m.
6 „	.949	.389	68.8	64.5	4.3	62.0	.80	70.0	75.7	„	0·1					
7 „	.971	.437	68.6	63.6	5.0	60.6	.77	69.9	75.4	„	0.1					
8 „	.988	.461	71.3	64.5	7.3	60.2	.69	72.4	75.7	N b W	0.1					
9 „	30.011	.397	75.9	68.6	7.3	64.8	.70	75.0	76.0	N b E	0.1					
10 „	.005	.374	76.5	69.3	7.2	65.6	.71	75.6	76.3	NNE	0.1	None.			None.	
11 „	29.989	.311	78·2	71.2	7.0	67.8	.72	77.0	76.5	W	0·1					
Noon.	.945	.361	79.8	69.0	10.8	63.3	.59	78.8	76.9	NW	0.1		+	1		Above 10m.
1 p. m.	.924	.320	81.0	70.0	11.0	64.3	.59	80.3	77.3	W b N	0.4		+	1		Above 10m.
2 „	.907	.279	82.0	71.0	11.0	65.5	.59	80.5	77.3	„	0.6		+	2		Above 10m.
3 „	.895	.231	81.4	71.8	9.6	67.2	.64	79.8	77.5	„	0.5		+	2		Above 10m.
4 „	.894	.189	80.4	72.6	7.8	69.0	.69	79.1	77.4	„	0.4		+	2		Above 10m.
5 „	.905	.208	78.1	71.7	6.4	68.7	.74	77.2	77.5	WNW	0.4		+	2		Above 10m.
6 „	.915	.210	76.4	71.4	5.0	69.0	.79	76.2	77.3	NW b W	0.7		+	2		Above 10m.
7 „	.938	.209	75.4	71.8	3.6	70.1	.84	75.3	77.2	„	0·8		+	1		Above 10m.
8 „	.995	.230	74.9	71.5	3.4	69.9	.85	75.0	77.0	„	0.6		+	1		Above 10m.
9 „	.960	.231	74.2	71.4	2.8	70.1	.88	74.7	77.0	„	0.1		+	1		Above 10m.
10 „	.954	.247	71.7	70.0	1.7	69·1	.92	73.2	76.6	NW b N	0.1		+	1		Above 10m.
11 „	.944	.250	71.0	69.4	1.6	68.6	.93	72.4	76.3	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
2	R	≀≀ scattered around hor.	
1	L	"	
1	L	"	
1	L	≀≀ scattered around hor.	
1	L	"	
0	H	A few pieces of ≀≀ along E hor.	
0	H	"	
0	H	Clear.	
0	H	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 82°2.
0	L	A few pieces of ≀≀ in S and SW; dew falling.	
0	L	" "	
1	L	≀≀ scattered about hor. from E to W, moving N; dew falling.	
0	L	Pieces of ≀≀, moving N; dew falling.	
0	H	" " "	
0	H	≀≀ scattered along E hor.; dew falling.	
2	H	≀≀ scattered from N to ESE hor.; mist and fog in hor.	
1	H	" "	
1	R	Patches of ≀≀ scattered along E hor.; mist in hor.	
1	R	" "	
1	R	" "	
0	R	Patches of ≀≀ along E and SE hor.; mist along W hor.	
1	L	Patches of ≀≀ scattered from N to SE hor.	
1	L	"	
0	L	A few pieces of ≀≀ scattered along E hor.	
0	L	"	
0	H	"	
0	H	"	
0	H	Clear.	
0	H	"	
0	R	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 82°7.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	Mist and fog in hor.	
0	H	"	
0	R	"	
0	R	"	
0	R	Mist in N hor.	
0	R	Clear.	
0	L	"	
0	L	A few pieces of ≀≀ along E hor.	
0	L	"	
0	L	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	Clear; dew falling.	
0	R	" "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 15th-Midnight	29.937	29.239	70°4	69°3	1°1	68°7	0.95	71°7	76°1	NW	0.0		+	4		Above 10m.
1 a. m.	.935	.252	69.9	68.7	1.2	68.1	.95	71.2	75.8	„	0·0					
2 „	·926	.247	69.4	68.4	1.0	67.9	.95	70.6	75.6	„	0·0					
3 „	.928	.224	69.8	69.0	0.8	68.6	.96	70.9	75.6	„	0.0					
4 „	.921	.244	69.6	68.4	1.2	67.8	.95	70·6	75.5	NNW	0.0					
5 „	.952	.315	69.0	67.0	2.0	65.9	.91	69.9	75.4	N b W	0.0					
6 „	.955	.406	68.0	65.5	2.5	61.4	.88	69.0	75.0	„	0.0					
7 „	.988	.400	67.6	65.0	2.6	64.2	.88	69.0	74.8	„	0.1					
8 „	30.013	.353	72.0	68.7	3.3	67.0	.85	72.0	75.2	N	0·1					
9 „	.026	.451	73.8	66.7	7.1	62.8	.70	73.7	75.5	NW b N	0.1					
10 „	.026	.431	75.8	68.0	7.8	63.9	.68	75.2	75.7	NW	0.2		+	2		Above 10m.
11 „	.009	.403	77.8	69.0	8.8	64.4	.65	77.2	76.1	NW b W	0.2	None.	+	1	None.	Above 10m.
Noon.	29.981	.358	79.4	70.0	9.4	65.3	.63	78.0	76.5	„	0·6		+	1		Above 10m.
1 p. m.	.955	.277	80.8	72.0	8.8	67.8	.66	79.2	76.8	„	0·8		+	1		Above 10m.
2 „	.939	.243	81.2	72.6	8.6	68.6	.67	79.6	77.1	„	0·8		+	2		Above 10m.
3 „	.932	.221	81.2	73.0	8.2	69.3	.68	79.7	77.3	„	1·0		+	1		Above 10m.
4 „	.928	.215	81.0	73.0	8.0	69.4	.69	79.4	77.4	„	0·4					
5 „	.924	.233	78.0	71.5	6.5	68.4	.74	77.5	77.4	NW	0·2					
6 „	.933	.245	76.6	71.0	5.6	68.9	.77	76.4	77.2	„	0·2					
7 „	.933	.243	76.0	71.0	5.0	68.6	.79	76.0	77.0	„	0.4					
8 „	.960	.247	75.6	71.0	4.6	69.3	.81	75.6	77.0	NW b N	0.6					
9 „	.964	.316	74·0	69.0	5.0	66.5	.78	74.3	76.7	„	0.2					
10 „	.972	.342	72.6	68.0	4.6	65.6	.80	73.2	76.5	„	0.1		+	1		Above 10m.
11 „	.959	.404	71.5	65.3	6.2	61.8	.73	72.2	76.2	NW	0.2		+	1		Above 10m.
Dec. 16th-Midnight	.952	.457	70.5	63.0	7·5	58.3	.67	71.3	75.9	N b W	0.1		+	3		Above 10m.
1 a. m.	.935	·447	69·6	62.4	7.2	57.9	.68	70.7	75.5	NNW	0.0		+	4		Above 10m.
2 „	·924	.438	69.2	62.2	7.0	57.8	.69	70.1	75.4	„	0.2		+	2		Above 10m.
3 „	.919	.439	69.2	62.0	7.2	57.4	.68	70.1	75.2	N b W	0.0		+	4		Above 10m.
4 „	.926	.383	70.0	64.4	5.6	61.1	.75	70.5	75.0	„	0.0		+	1		Above 10m.
5 „	·938	.477	67.6	60.8	6.8	56.1	.69	68.7	74.8	NNW	0.0		+	1		Above 10m.
6 „	.961	.496	68.4	61.2	7.2	56.4	.67	69.5	74.7	N b W	0.0					
7 „	.986	.392	70.0	66.0	4.0	63.8	.82	70.8	74.7	NNE	0.0		+	2		Above 10m.
8 „	·010	.447	73.0	66.2	6.8	62.2	.70	72.9	74.9	N	0.1		+	2		Above 10m.
9 „	.014	.444	75.1	67.0	8.1	62.6	.67	74.3	75.3	NNE	0.1		+	2		3.10
10 „	.017	.461	77.3	67.3	10.0	61.8	.60	76.4	75.5	„	0·1		+	2		Above 10m.
11 „	.004	.489	79.0	66.6	12.4	59.5	.53	77.5	76.0	WNW	0·2	None.	+	5	None.	Above 10m.
Noon.	29.978	.465	81.2	67.3	13.9	59.4	.49	79.3	76.5	NW b W	0.3		+	2		Above 10m.
1 p. m.	.960	·411	83.0	69.0	14.0	61.4	.50	81.3	77.0	NW	0.5		+	3		Above 10m.
2 „	.940	.277	83.8	72.5	11·3	67.2	.59	81·6	77.3	NW b W	0·4		+	3		Above 10m.
3 „	·926	.219	84.0	73.7	10.3	69·1	.62	81.7	77.6	„	0.3		+	2		Above 10m.
4 „	.930	.133	83.0	75.8	7.2	72.9	.73	80.9	77.8	„	0.5		+	2		Above 10m.
5 „	.945	.180	79.6	74.0	5.6	71.6	.78	78.9	77.6	„	0.2		+	2		Above 10m.
6 „	·955	.264	77.4	71.3	6.1	68.4	.75	77.3	77.5	NW b N	0·1		+	2		3.50
7 „	.973	.279	76.4	71.0	5.4	68.4	.77	76.4	77.2	„	0·2		+	3		2.39
8 „	.995	.326	75.5	70.1	5.4	67.4	.77	75.7	77.0	„	0·1		+	1		Above 10m.
9 „	30.005	.363	74.8	69.1	5.7	66.2	.76	75.2	77.0	„	0·1		+	1		Above 10m.
10 „	.009	.429	73.3	66.7	6.6	63.1	.72	73.7	76.6	NNW	0.1		+	3		Above 10m.
11 „	.004	.461	71.7	65.0	6.7	61.1	.71	72.5	76.3	„	0·1		+	1		Above 10m.
Dec. 17th-Midnight	29.991	.305	72.1	69.5	2.6	68.2	.88	72.8	76.0	NNW	0.1		+	1		Above 10m.
1 a. m.	.974	.393	71.2	66.0	5.2	63.1	.77	72.0	75.9	„	0.1		+	1		Above 10m.
2 „	.962	.450	69.0	63.0	6.0	59.3	.73	69.9	75.5	„	0.0		+	1		Above 10m.
3 „	.958	.444	68.8	63.0	5.8	62.2	.74	70.1	75.3	„	0.0		+	1		Above 10m.
4 „	.961	.393	71.8	65.8	6.0	62.5	.74	72.4	75.4	NE b E	0.0		+	3		Above 10m.
5 „	.966	.391	71.7	66.0	5.7	62.8	.75	72.0	75.4	NE b N	0.0		+	1		Above 10m.
6 „	.981	.409	72.5	66.1	6.4	62.7	.72	72.6	75.5	„	0.1	None.	+	2		Above 10m.
7 „	30.003	.456	71.6	65.1	6.5	61.3	.72	71.7	75.4	„	0.1		+	1		Above 10m.
8 „	.029	.447	74.0	67.0	7.0	63.2	.70	73.9	75.5	„	0·1		+	2		3.59
9 „	.040	.380	76.0	70.0	6.0	67.0	.75	75.7	75.8	„	0·1		+	5	4	3.30
10 „	.039	.390	77.0	70.0	7.0	66.5	.71	76.4	76.1	NE	0.1		+	4	4	3.30
11 „	.028	.385	82.0	71.4	10.6	66.2	.60	80.3	76.8	„	0.1		+	6	5	2.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∩≀ cirro-strati; ∩∩ cumulo-strati; and ∩≀∩ nimbi.	
0	R	Clear; dew falling copiously.	Mean daily temperature of ground 20 and 60 inches below its surface 79°0 and 82°7.
0	R	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	H	" "	
0	H	Mist and fog in hor.	
0	H	"	
0	H	"	
0	R	"	
0	R	Light mist along E hor.	
0	R	"	
0	R	A few pieces of ≀≀ in E hor.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	Clear.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°9 and 82°7.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
3	H	≀≀ scattered about, moving NNE.	
4	H	" "	
5	H	≀≀ scattered about, moving NE; fog and mist in hor.	
2	H	A few ≀ in W hor.; ≀≀ scattered around hor.; mist and fog in hor.	
2	R	≀≀ scattered about hor.; mist and fog in hor.	
4	R	≀≀ scattered about; light mist in hor.	
4	R	" "	
3	R	≀≀ scattered about hor.; light mist in N hor.	
3	L	≀≀ scattered about, moving NE.	
2	L	" "	
2	L	≀≀ scattered around hor., moving NE.	
1	L	" "	
1	H	≀≀ scattered around hor., except in S.	
1	H	A few pieces of ≀≀ in hor.	
0	H	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 82°7.
0	L	"	
0	L	A few pieces of ≀≀ along E hor.	
6	L	≀≀ scattered about, moving NW.	
7	L	" "	
7	H	≀≀ scattered throughout, moving NE.	
3	H	≀≀ scattered around hor.	
3	H	≀≀ scattered about hor.; fog and mist in hor.	
3	H	" "	
2	L	≀≀ scattered around hor.; mist along SW hor.	
2	L	Patches of ≀≀ scattered about, moving W; mist in W and NW hor.	
1	L	Patches of ≀≀ scattered around hor.	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in registering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 17th–Noon.	29.991	29.286	82°4	73°2	9°2	69°0	0.65	81°0	77°2	NW b W	0.1		+	4	4	3·30
1 p. m.	.955	.242	82.7	73.5	9.2	69.4	.66	81.0	77.4	WNW	0.1		+	3		Above 10m.
2 „	.929	.156	83.1	75.2	7.9	71.9	.70	81.5	77.6	NW b W	0.4		+	2		Above 10m.
3 „	.918	.127	83.2	75.7	7.5	72.6	.71	81.4	78.0	„	0.5		+	1		3.00
4 „	.920	.140	82.1	75.1	7.0	72.2	.73	80.6	78.0	„	0.5		+	3		Above 10m.
5 „	.933	.146	79.0	74.4	4.6	72.5	.81	78.5	77.9	„	0.4		+	2		Above 10m.
6 „	.950	.200	77.6	73.0	4.6	71.0	.81	77.7	77.7	NW	0.5	None.	+	1		Above 10m.
7 „	.971	.207	77.0	73.2	3.8	71·5	.84	77.2	77.6	„	0.1					
8 „	.996	.226	76.8	73.3	3.5	71.8	.85	77.1	77.6	NW b N	0.1					
9 „	30.017	.308	76.0	71.4	4.6	69.2	.81	76.3	77.5	„	0.0					
10 „	.011	.341	74.4	69.8	4.6	67.5	.80	75.3	77.3	„	0.0					
11 „	29.992	.307	74.4	70.2	4.2	68.1	.82	75.1	77.2	„	0.0					
Dec. 19th–Midnight	.986	.350	72.6	68.0	4.1	65.9	.82	72.8	76.5	NNW	0.0		+	2·		Above 10m.
1 a. m.	.966	.338	71.6	67.6	4.0	65.5	.82	72.4	76.4	N b W	0.0					
2 „	.951	.301	71.4	68.2	3.2	66.6	.86	72.3	76.2	N b E	0.0					
3 „	.945	.330	70.4	66.8	3.6	64.9	.84	71.6	76.0	N b E	0.0					
4 „	.946	.296	70.8	68.0	2·8	66.6	.87	71.8	75.8	N b W	0.0					
5 „	.957	.342	71.0	67.0	4.0	64.9	.82	71.7	75.7	NNW	0.0					
6 „	.969	.417	69.2	64.4	4.8	61.6	.78	69.7	75.6	N b W	0.1					
7 „	30.005	.364	69.2	67.2	2.0	66.1	.91	70.5	75.4	N b W	0·1		+	6	5	2.50
8 „	.031	.394	73.5	68.5	5.0	65.9	.78	73.6	75.6	N b E	0.1		+	5	4	2.49
9 „	.043	.471	74.9	67.0	7.9	62.7	.67	74.6	76.0	NNE	0.1		+	3		Above 10m.
10 „	.041	.403	77.1	69.7	7.4	66.0	.70	76·1	76.7	NE b N	0·1		+	2		2·00
11 „	.017	.464	77.6	67.3	10.3	61.6	.60	76.7	76.5	NE	0·1	None.	+	2		Above 10m.
Noon.	29.984	.361	79.4	70.0	9.4	65.3	.63	78.0	76.6	„	0·1		+	2		Above 10m.
1 p. m.	.943	.327	80.0	70.0	10.0	64.9	.62	78.7	76.8	NW b W	0.6		+	5		2.30
2 „	.930	.316	80.8	70.2	10.6	64.8	.60	79.3	77.1	„	1·0		+	6	5	1.30
3 „	.924	.301	80.3	70.3	10.0	65.3	.62	79.0	77.2	„	1.5		+	4		Above 10m.
4 „	.926	.276	79.4	70.8	8.6	66.6	.66	78.4	77.3	NW	1.5		+	5		3.00
5 „	.928	.263	76.9	70.4	6.5	67.2	.73	76.4	77.2	„	1.0		+	8	8	Above 10m.
6 „	.929	.249	75.5	70.4	5.1	67.9	.79	75.4	77.0	„	2.0		+	6	6	3·00
7 „	.960	.340	75.0	68.5	6.5	65.1	.73	75.1	76.7	„	0.8		+	5	4	3.30
8 „	.977	.330	75.0	69.3	5.7	66.4	.76	75.0	76.7	„	0·8		+	4		Above 10m.
9 „	.988	.424	73.0	66.3	6.7	62.6	.71	73.4	76.5	WNW	0.4		+	2		Above 10m.
10 „	.986	.456	71.2	64.4	6.8	60.4	.70	71.5	76.2	N b W	0.3		+	2		Above 10m.
11 „	.982	.471	70.5	63.5	7.0	59.3	.69	71.2	75.8	„	0.6		+	2		4.50
Dec. 20th–Midnight	.971	.418	69.6	64.6	5.0	61.6	.77	69.9	75.5	N b W	0.5		+	6	4	2.40
1 a. m.	.957	.438	68.4	63.0	5.4	59.7	.75	70.2	75.2	„	0.0		+	2		Above 10m.
2 „	.951	.482	67.4	61.0	6.4	56.7	.70	68.7	74.9	„	0.0		+	2		Above 10m.
3 „	.943	.521	67.0	59.2	7.8	53.6	.64	68.3	74.6	„	0.0		+	2		Above 10m.
4 „	.942	.526	67.0	59.0	8.0	53.2	.63	68.1	74.3	„	0.1		+	2		Above 10m.
5 „	.959	.532	66.0	59.0	7.0	53.9	.67	67.0	74.0	„	0.1		+	1		Above 10m.
6 „	.969	.550	65.4	58.4	7.0	53.4	.67	67.0	73.7	„	0.1		+	2		Above 10m.
7 „	.998	.528	67.4	61.0	6.4	56.8	.70	68.5	73.7	„	0.1		+	3		Above 10m.
8 „	30.034	.600	69.6	60.6	9.0	54.4	.61	70.0	73.9	NNW	0.1		+	1		Above 10m.
9 „	.044	.556	73.9	64.0	9.9	57.9	.59	73.1	74.5	„	0.1		+	2		Above 10m.
10 „	.036	.548	75.3	64.5	10.8	57.9	.56	74.4	74.7	N b E	0.1		+	2		Above 10m.
11 „	.011	.534	77.7	65.0	12.7	57.2	.51	76.5	75.2	NE b N	0.1	None.	+	2		Above 10m.
Noon.	29.963	.444	79.7	67.0	12.7	59.7	.52	78.0	75.5	NW	0.1		+	2		Above 10m.
1 p. m.	.926	.368	80.4	68.4	12.0	61.9	.55	78.4	75.8	NNW	0.6		+	2		Above 10m.
2 „	.900	.327	80.8	69.0	11.8	62.7	.56	79.3	76.2	„	0.8		+	3		Above 10m.
3 „	.884	.272	80.4	70.0	10.4	64.7	.60	78.9	76.4	NW	2.0		+	3		Above 10m.
4 „	.876	.258	79.2	69.8	9.4	65.0	.63	77.9	76.4	„	1.5		+	4		3.00
5 „	.881	.257	76.2	69.0	7.2	65.3	.70	76.0	76.4	NW b N	1.0		+	3		Above 10m.
6 „	.890	.253	75.0	69.0	6.0	65.9	.75	75.0	76.2	„	0.8		+	2		Above 10m.
7 „	.898	.251	74.7	69.2	5.5	66.4	.77	74.6	76.0	„	1.2		+	3		Above 10m.
8 „	.920	.268	74.2	69.2	5.0	66.6	.78	74.0	76.0	„	1.5		+	3		2.10
9 „	.941	.322	72.4	67.6	4.8	65.1	.79	72.4	75.6	NNW	0.4		+	3		1.25
10 „	.938	.310	71.3	67.5	3.8	65.5	.83	71.8	75.5	„	0.1		+	4		4.20
11 „	.928	.293	70.7	67.5	3.2	65.8	.86	71.2	75.3	„	0.1		+	2		5.30

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
1	L	Patches of ≀≀ scattered along E hor.	
1	R	" "	
2	R	" "	
2	R	" "	
2	R	" "	
1	L	" "	
1	L	" "	
1	L	Patches of ≀≀ scattered about, moving NW.	
2	L	Patches of ≀≀ scattered in E hem.; moving NW.	
2	L	≀≀ scattered about hor., moving NW.	
3	L	" "	
3	L	" "	
3	L	" "	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 82°6.
0	L	"	
0	L	Clear; dew falling.	
0	L	Clear.	
0	L	"	
0	H	"	
0	H	A few pieces of ≀≀ in N and S hor.	
0	H	Pieces of ≀≀ scattered from N to ESE hor.; fog and mist in hor.	
0	H	Pieces of ≀≀ scattered in E hem.; fog and mist in hor.	
1	R	" "	
1	R	" "	
2	R	≀≀ along E hor.; ≀ scattered here and there; mist in NW and N hor.	
2	R	≀ and ≀≀ scattered about; light mist in NW and N hor.	
3	L	≀≀ along E hor.; ≀ scattered here and there.	
2	L	" "	
4	L	" "	
4	L	" "	
6	R	Patches of ≀≀ in W; ≀ scattered throughout.	
4	R	≀≀ and ≀ scattered about, former moving E.	
0	R	Clear.	
0	R	"	
0	H	"	
0	H	"	
0	H	"	
		"	
0	H	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°8 and 82°6.
0	L	"	
0	L	A few pieces of ≀≀ in E hor.	
0	L	"	
0	L	"	
0	H	"	
0	H	A few pieces of ≀≀ above ESE hor.	
0	H	≀≀ scattered from E to S hor.; fog and mist in hor.	
0	H	" "	
0	R	A few pieces of ≀≀ from E to S hor.; fog and mist in hor.	
0	R	" "	
0	R	A few ≀≀ in SE and SW above hor.; mist in hor.	
0	R	Light mist in hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	A few pieces of ≀≀ in E hor.	
0	H	"	
0	H	Clear.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 21st-Midnight	29.910	29.337	69°6	65°2	4°4	62°7	0.80	70°3	75°0	NW b N	0.0		+	1		3.10
1 a. m.	.899	.361	68.2	63.5	4.7	60.7	.78	69.9	74.7	„	0.0		+	1		Above 10m.
2 „	.890	.276	68.2	66.0	2.2	64.8	.90	69.3	74.5	N b W	0.0		+	1		Above 10m.
3 „	.891	.277	67.6	65.6	2.0	64.8	.91	68.6	74.2	„	0.0		+	1		Above 10m.
4 „	.892	.259	67.2	66.2	1.0	65.7	.95	68.6	74.1	„	0.0		+	4		0.30
5 „	.897	.305	66.9	64.5	2.4	63.7	.89	68.0	74.0	N b E	0·0		+	3		1.40
6 „	.911	.330	66.0	64.2	1.8	63.1	.91	67.6	73.8	„	0.0		+	15	15	0.20
7 „	.925	.319	66.0	65.0	1.0	64.4	.95	68.5	73.8	„	0.0		+	17	16	0.13
8 „	.955	.469	69.8	62.4	7.4	57.8	.67	70.4	74.0	N b W	0·1		+	11	10	2.35
9 „	.980	.451	73.0	65.0	8.0	60.3	.66	73.0	74.3	N	0·1		+	3		Above 10m.
10 „	.968	.356	75.8	68.5	7.3	64.7	.70	75.0	74.7	NNE	0·1		+	3		Above 10m.
11 „	.952	.369	76.9	68.0	8.9	63.2	.64	76.0	75.1	„	0.1	None.	+	2		Above 10m.
Noon.	.919	.333	78.7	68.7	10.0	63.4	.61	77.5	75.5	WNW	0.1		+	1		3.10
1 p. m.	.884	.333	79.8	68.0	11.8	61.5	.55	77.9	75.7	„	0.5		+	2		Above 10m.
2 „	.861	.319	80.6	68.0	12.6	60.0	.53	78.4	75.9	„	0 5		+	2		Above 10m.
3 „	.849	.327	80.8	70.4	10.4	65.2	.61	79.1	76.2	W b N	0.5		+	2		Above 10m.
4 „	.848	.332	80.0	70.0	10.0	64.9	.62	78.4	76.4	WNW	0·4		+	3		Above 10m.
5 „	.861	.237	77.4	69.4	8.0	65 3	.68	76.6	76.4	NW b W	0.1		+	3		Above 10m.
6 „	.874	.214	76.0	70.0	6.0	67.0	.75	75.7	76.2	NW	0·3		+	6	4	4·50
7 „	.900	.229	75.0	70.0	5.0	67.5	.79	75.0	76.2	„	0·4		+	4	4	Above 10m.
8 „	.912	.252	74.1	69.4	4.7	67.0	.80	74.4	76.0	„	0.2		+	3		Above 10m.
9 „	.930	.308	73.4	68.0	5.4	65.2	.77	73.7	75.9	„	0.1		+	6	4	2.15
10 „	.934	.354	71.3	66.0	5.3	63.1	.76	72.4	75.5	NW b N	0·1		+	5	5	3·40
11 „	.931	.564	71.0	65.5	5.5	62.4	.76	72.0	75.4	NNW	0.1		+	4	4	2.50
Dec. 22nd-Midnight	.924	.336	70.3	65.9	4.4	63.5	.80	71.4	75.2	NNW	0.1		+	4		Above 10m.
1 a. m.	.907	.317	69.8	65.8	4.0	63.6	.82	71.0	75.0	„	0.0		+	8		4.00
2 „	.906	.307	69.0	65.8	3.2	64.1	.85	70.0	74.7	„	0.0		+	6		2.00
3 „	.908	.314	68.6	65 5	3.1	63.8	.86	69.7	74.6	„	0·0		+	5		3.10
4 „	.889	.309	68.4	65.0	3.4	63.1	.84	69.5	74.5	N b W	0.0		+	3		4·00
5 „	.905	.354	67.3	63.7	3.6	61.5	.83	69.0	74.2	„	0.0		+	4		Not Obsd.
6 „	.925	.354	69.2	65.0	4.2	62.6	.81	69.9	74.3	NE b E	0.0		+	3		Not Obsd.
7 „	.941	.358	69.2	65.4	3.8	63.2	.83	70.0	74.1	NE	0.0		+	2		Not Obsd.
8 „	.962	.351	71.8	67.2	4.6	64.7	.80	71.0	74.3	„	0.2		+	3		Not Obsd.
9 „	.979	.376	73.6	67.5	6.1	64.3	.74	73.4	74.7	NE b N	0.1		+	3		Not Obsd.
10 „	.982	.324	76.2	70.0	6.2	66.9	.72	76.0	75.2	„	0.1		+	5		Not Obsd.
11 „	.969	.334	78.3	70.0	8.3	65.8	.67	77.4	75.6	NE	0.1	None.	+	3		Not Obsd.
Noon.	.938	.341	80.5	69.6	10.9	64.0	.59	79.3	76.0	„	0.1		+	2		Not Obsd.
1 p. m.	.909	.276	83.6	71.6	12.0	65.7	.56	80.8	76.6	NNE	0.1		+	4		Not Obsd.
2 „	.890	.219	83.4	72.6	10.8	67.5	.60	81.0	77.0	W b N	0.1		+	5		Not Obsd.
3 „	.881	.268	82.7	73.5	9.2	69.4	.66	81.0	77.2	NW	0.1		+	2		Not Obsd.
4 „	.873	.144	80.8	73.5	7.3	70.3	.72	79.8	77.1	„	0.4		+	2		Not Obsd.
5 „	.887	.133	78.5	73.4	5.1	71.2	.79	77.8	77.0	„	0.5		+	5		Not Obsd.
6 „	.895	.141	76.6	72.8	3.8	71.1	.84	76.6	77.0	„	0.3		+	6		Not Obsd.
7 „	.920	.170	75.6	72.4	3.2	71.0	.86	75.8	76.8	„	0:8		+	10	10	Not Obsd.
8 „	.937	.195	75.0	72.0	3.0	70.6	.87	75.2	76.6	„	0.5		+	2	10	Not Obsd.
9 „	.962	.239	74.0	71.4	2.6	69.8	.86	74·0	76.5	N b W	0.2		+	15	12	Not Obsd.
10 „	.963	.326	72.0	68.0	4.0	65.9	.82	72.6	76.3	„	0.1		+	Out of Sc.	30	Not Obsd.
11 „	.971	.352	71.2	67.2	4.0	65.1	.82	72.4	76.0	„	0.1		+	3		Not Obsd.
Dec. 23rd-Midnight	.957	.329	71.6	67.6	4.0	65.5	.82	72.4	75.7	N	0.0		+	6	6	
1 a. m.	.945	.319	71.8	67.6	2.2	65.4	.81	72.6	75.7	„	0.0		+	5		
2 „	.932	.366	69.6	65.0	4.6	62.3	.79	70.7	75.5	„	0.0		+	4		1.30
3 „	.923	.329	69.4	65.8	3.6	63.8	.84	70.5	75.1	„	0.0		+	6	5	4.00
4 „	.924	.302	70.4	67.0	3.4	65.2	.85	71.0	75.1	„	0.0		+	10	8	1.30
5 „	.927	.292	70.4	67.4	3.0	65.8	.86	70.8	75.1	„	0.0	None.	+	11	9	2.40
6 „	.947	.345	70.4	66.4	4.0	64.2	.82	71.0	75.0	„	0.0		+	8	7	2.35
7 „	.977	.341	69.5	67.0	2.5	65.9	.88	69.8	74.8	„	0·0		+	9	8	2.25
8 „	30.011	.360	72.8	68.7	4.1	66.6	.82	73.0	75.2	NNE	0.1		+	7	6	3.40
9 „	·034	.429	74.9	68.0	6.9	64.4	.71	74.5	75.4	NE b N	0.1		+	7	6	Above 10m.
10 „	.038	.430	76.7	68.7	8.0	64.5	.68	76.0	75.7	„	0.1		+	7	6	Above 10m.
11 „	.019	.389	78 7	70.0	8.7	65.6	.68	77.7	76.1	„	0.1		+	4		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀⌒ nimbi.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 82°5.
0	L	"	
0	L	Clear; dew falling.	
0	L	" "	
0	L	" "	
0	H	" "	
0	H	A few pieces of ≀≀ around hor.	
0	H	A few ≀ in W and a few ≀≀ in S above hor.; mist and fog in hor.	
0	H	A few pieces of ≀≀ above S hor.; light ≀ scattered here and there; mist and fog in hor.	
0	R	Patches of ≀≀ along E hor. and in W; ≀ scattered above SW and NW hor.; mist and fog in hor.	
0	R	Patches of ≀≀ along E hor. and in W; ≀ scattered above NW hor.; mist and fog in hor.	
0	R	Pieces of ≀≀ from E to S hor.; mist around hor.	
0	R	" "	
0	L	Pieces of ≀≀ along E hor.	
0	L	"	
0	L	"	
0	L	≀≀ and ≀ scattered about hor. from E to S.	
0	H	≀≀ and ≀ scattered about hor. from N to WSW.	
0	H	A few ≀ in E hor.	
0	H	Clear, except in hor.	
0	H	" "	
0	R	A few pieces of ≀≀ above E and W hor.	
0	R	"	
0	R	Clear, except in hor.	
0	R	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 82°5.
0	L	A few pieces of clouds above E and SE hor.	
0	L	"	
0	H	"	
0	H	"	
0	R	≀≀ scattered from NE to S hor.	
0	R	≀≀ in E hem.; ≀ scattered about.	
0	L	≀≀ along E hor.; ≀ scattered about; mist along W hor.	
0	L	Clouded as before; fog and mist in hor.	
0	H	" "	
0	H	" "	
0	R	A few pieces of ≀≀ in E hor.; ≀ scattered about; mist along W hor.	
0	R	" " "	
0	L	≀≀ in E; ≀ scattered throughout.	
0	L	" "	
0	H	" "	
0	H	" "	
0	R	Overcast with dense ≀.	
0	R	≀≀ above E and S hor.; ≀ scattered throughout.	
0	L	≀ scattered about hor.	
0	L	"	
0	H	≀ scattered about hor.; dew falling.	
0	H	A few ≀ in hor.; dew falling.	
0	R	A few ≀ along E hor.	
2	R	≀≀ scattered here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 82°5.
3	L	≀≀ scattered about hor.	
2	L	"	
2	L	≀≀ scattered around hor.; dew falling.	
2	L	" "	
2	H	" "	
4	H	≀≀ scattered about; dew falling.	
5	H	≀≀ and ≀ scattered about; mist and fog in hor.	
6	H	" "	
6	R	≀≀ along E hor.; ≀ scattered about; fog and mist in hor.	
7	R	" " "	
4	R	" " "	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometer.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lb	in.		Sc. div.	Sc. div.	m. s.
Dec. 23rd-Noon.	29.990	29.334	81°2	71°5	9°7	66°8	0.63	79°5	76.5	NE b N	0.2		+	8	6	Above 10m.
1 p. m.	.961	.283	80.8	72.0	8.8	67.8	.66	79.0	76.5	NW b N	0.4		+	1		Above 10m.
2 „	.942	.261	81.2	72.2	9.0	68.0	.66	79.7	77.0	NW	0.6		+	4		Above 10m.
3 „	.920	.248	81.4	72.0	9.4	67.6	.64	79.8	77.1	„	0.5		+	2		Above 10m.
4 „	.925	.270	79.6	71.0	8.6	66.8	.66	78.6	77.2	„	0.5		+	3		Above 10m.
5 „	.935	.218	77.9	72.2	5.7	69.6	.77	77.5	77.1	„	0.5	None.	+	3		Above 10m.
6 „	.954	.249	76.8	71.5	5.3	69.0	.78	76.8	77.0	„	0.4		+	1		Above 10m.
7 „	.977	.250	76.4	72.0	4.4	70.0	.81	76.5	77.0	„	0.2		+	8	7	4.35
8 „	.997	.314	75.5	70.5	5.0	68.6	.79	75.5	76.9	NW b N	0.1		+	9	8	5.50
9 „	30.011	.431	74.2	67.0	7.2	63.6	.70	74.6	76.6	N	0.1		+	8	8	Above 10m.
10 „	.013	.394	73.6	68.0	5.6	65.1	.76	74.3	76.5	„	0.1		+	2		Above 10m.
11 „	.007	.303	74.2	70.7	3.5	69.0	.85	74.5	76.4	„	0.0		+	6		6.55
Dec. 24th-Midnight	29.987	.349	73.2	68.6	5.1	66.0	.78	74.3	76.3	N	0.0			6	4	2.40
1 a. m.	.971	.353	73.2	67.8	5.4	65.0	.77	74.0	76.2	„	0.0		+	8	6	1.00
2 „	.957	.315	74.0	68.8	5.2	66.2	.78	74.3	76.2	„	0.0		+	8	6	1.80
3 „	.948	.298	73.8	69.0	4.8	66.6	.79	74.2	76.1	NNW	0.0		+	3		1.30
4 „	.953	.371	73.4	66.8	6.6	63.2	.72	73.9	76.1	„	0.1					
5 „	.961	.404	73.4	66.0	7.4	61.9	.69	73.5	76.0	„	0.2		+	1		Above 10m.
6 „	.992	.435	72.2	65.6	6.6	61.9	.71	72.8	75.9	N	0.1					
7 „	30.020	.387	73.6	68.4	5.2	65.7	.78	74.0	75.7	NE	0.1		+	4		Above 10m.
8 „	.050	.395	74.6	69.4	5.2	66.8	.78	74.4	76.0	„	0.1		+	3		4.35
9 „	.061	.413	75.2	69.4	5.8	66.5	.75	75.0	76.0	NE b E	0.0		+	2		2.15
10 „	.047	.390	77.2	70.3	6.9	66.9	.72	77.4	76.3	NE	0.1		+	2		3.00
11 „	.042	.388	79.7	71.0	8.7	66.7	.66	78.8	76.9	N b W	0.1	None.	+	1		5.30
Noon.	.002	.490	80.4	67.0	13.4	59.3	.50	79.4	77.2	„	0.1		+	1		Above 10m.
1 p. m.	29.974	.474	82.0	67.2	14.8	58.5	.47	80.3	77.6	N	0.0		+	1		Above 10m.
2 „	.957	.406	81.6	68.6	13.0	61.5	.52	79.8	77.5	NE	0.0		+	2		Above 10m.
3 „	.957	.368	81.8	69.8	12.0	63.5	.56	80.0	77.7	„	0.0		+	1		Above 10m.
4 „	.951	.345	81.5	70.2	11.3	64.4	.58	80.0	77.6	NE b N	0.0		+	1		Above 10m.
5 „	.969	.321	79.6	70.8	8.8	66.5	.66	78.7	77.5	NNW	0.0		+	2		Above 10m.
6 „	.982	.305	77.6	71.0	6.6	67.8	.73	77.4	77.5	NW b N	0.1		+	7	6	Above 10m.
7 „	30.001	.397	76.2	68.4	7.8	64.3	.68	76.0	77.2	NNW	0.1		+	6	6	Above 10m.
8 „	.023	.454	74.6	66.8	7.8	62.5	.68	75.2	77.0	„	0.1		+	3		Above 10m.
9 „	.021	.441	74.2	67.0	7.2	63.1	.70	74.5	76.7	„	0.1		+	14	12	4.30
10 „	.023	.460	73.4	66.2	7.2	62.2	.69	74.0	76.5	„	0.1		+	5		Above 10m.
11 „	.018	.491	73.2	65.0	8.2	60.2	.65	73.5	76.4	„	0.1		+	2		Above 10m.
Dec. 27th-Midnight	29.947	.299	71.9	68.3	3.6	66.5	.84	72.4	75.7	NNW	0.2		+	15	14	1.22
1 a. m.	.932	.332	70.3	66.3	4.0	64.1	.82	71.6	75.7	„	0.1		+	16	16	1.04
2 „	.923	.297	70.0	67.0	3.0	65.4	.86	70.5	75.5	„	0.0		+	18	16	0.18
3 „	.915	.353	70.0	65.0	5.0	62.1	.77	70.3	75.3	N	0.0		+	5		2.05
4 „	.914	.341	69.8	65.3	4.5	62.8	.80	70.0	75.1	„	0.0		+	10		1.47
5 „	.915	.305	70.0	66.5	3.5	64.6	.84	70.0	75.2	N b E	0.0		+	20	18	Above 10m.
6 „	.929	.326	69.7	66.2	3.5	64.3	.84	70.0	74.9	NNE	0.2		+	5		1.50
7 „	.948	.349	69.5	66.0	3.5	64.1	.84	70.5	74.7	„	0.1		+	6		1.25
8 „	.959	.372	71.2	66.2	5.0	63.4	.78	71.5	74.8	NNW	0.1		+	Out of Sc.	26	0.30
9 „	.988	.439	74.1	66.0	8.1	61.4	.66	74.0	75.2	N b W	0.1		+	7		Above 10m.
10 „	.993	.478	77.2	66.0	11.2	59.5	.56	76.3	76.5	NNE	0.1		+	3		Above 10m.
11 „	.971	.430	80.2	67.8	12.4	61.0	.53	78.5	76.6	„	0.1		+	2		Above 10m.
Noon.	.939	.463	83.5	67.0	16.5	57.2	.43	81.2	76.7	N b E	0.1	None.	+	1		Above 10m.
1 p. m.	.911	.466	86.3	67.0	19.3	55.2	.36	83.4	77.3	N	0.2					
2 „	.894	.208	86.8	74.0	12.8	68.2	.56	83.5	77.6	WNW	0.1		+	5		3.08
3 „	.880	.139	84.6	74.8	9.8	70.6	.64	82.5	77.8	„	0.3		+	5		1.18
4 „	.879	.151	83.0	74.0	9.0	70.0	.66	81.5	77.9	NW b W	0.2		+	8	6	2.09
5 „	.877	.186	79.6	72.0	7.6	69.4	.70	79.1	77.7	NW	0.1		+	10	8	3.50
6 „	.876	.177	76.9	71.4	5.5	69.3	.77	77.0	77.5	„	0.5		+	16	14	1.25
7 „	.896	.199	75.8	71.0	4.8	68.7	.79	76.0	77.3	„	0.8		+	14	12	2.35
8 „	.910	.239	75.0	70.0	5.0	67.5	.79	75.0	77.2	NW b W	0.7		+	12	10	1.30
9 „	.930	.288	73.6	68.7	4.9	66.2	.79	74.4	76.7	„	0.2		+	Out of Sc.	32	0.49
10 „	.943	.333	72.4	67.3	6.1	64.6	.78	73.0	76.5	NNW	0.4		+	Out of Sc.	34	0.55
11 „	.944	.413	71.4	64.5	6.9	60.4	.70	72.6	76.3	„	0.1		+	21	20	Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ⌣≤ cirro-strati; ∩≤ cumulo-strati; and ⌣≤ nimbi.	
5	R	≤≤ around hor.; ≤ scattered about; light mist in hor.	
5	L	≤≤ along E hor.; ≤ scattered about.	
7	L	≤≤ along W hor.; ≤ scattered throughout.	
7	L	≤≤ around hor.; ≤ scattered throughout, former moving E.	
7	L	" " "	
7	H	" " "	
8	H	Overcast with ≤≤ and ≤, former moving WNW.	
6	H	≤≤ and ≤ scattered throughout.	
4	H	"	
2	R	"	
4	R	≤≤ scattered about.	
6	R	≤≤ and ≤ scattered about, former moving ENE.	
6	R	≤≤ scattered about, moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 78°7 and 82°5. The height of barometer at 9 A. M. was 30.061in. greatest in the month, and about 0.104in. greater than the normal mean.
6	L	≤≤ and ≤ scattered about, former moving NE.	
7	L	" "	
7	L	" "	
8	L	Overcast with ≤≤ and ≤, former moving NE.	
8	H	" "	
7	H	≤≤ and ≤ scattered throughout, former moving ESE.	
8	H	Overcast with ≤≤ and ≤, former moving NE; mist and fog in hor.	
8	H	" " "	
8	R	Overcast with ≤≤ and ≤, former moving NE.	
8	R	" "	
8	R	" "	
7	R	Densely clouded with ≤≤ and ≤, former moving NE.	
8	L	Overcast; the motion of clouds was NE.	
8	L	" "	
8	L	" "	
8	L	" "	
7	R	≤≤ and ≤ scattered throughout, moving NE.	
7	R	" "	
5	R	≤≤ scattered about.	
3	R	≤≤ scattered about hor.	
3	R	"	
3	R	≤≤ scattered about, moving E.	
3	R	≤≤ scattered about, moving ESE.	
0	R	Clear; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 82°2. The temperature of free air at 2 P. M. was 86°8 greatest during the month, and about 6°7 greater than the normal mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	H	" "	
0	H	" "	
0	H	Fog and mist in hor.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	
0	B	"	
1	B	≤ scattered along W hor.	
1	B	"	
1	B	"	
1	H	"	
0	H	A few ≤ scattered here and there.	
0	H	Clear.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	

Bombay Civil Time. 1859.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of electric charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec.28th-Midnight	29.929	29.335	71°0	66°3	4°7	63°8	0.79	72°0	76°0	NNW	0.1		+	10	8	3.00
1 a. m.	.923	.359	70.4	65.2	5.2	62.2	.77	71.5	75.7	„	0·0		+	6	4	1.20
2 „	.912	.383	70.2	64.0	6.2	60.3	.72	70.8	75.6	„	0·0		+	2		1.06
3 „	.905	.423	69.0	62.0	7.0	57.5	.69	69.8	75.3	„	0.0		+	5		3.18
4 „	.898	.409	68.9	62.2	6.7	58.0	.70	69.5	75.1	N b W	0·0		+	5		1.45
5 „	.902	.377	69.2	63.5	5.7	60.1	.74	69.6	75.0	„	0·0		+	18	17	1.20
6 „	.924	.386	69.9	64.2	5.7	60.8	.74	70.0	75.0	NNW	0.1		+	19	19	2.30
7 „	.950	.366	69.9	62.4	7.5	57.6	.67	70.6	74.7	N	0.1		+	13	12	5.45
8 „	.969	.387	72.6	66.5	6.1	63.2	.74	72.6	75.0	NNE	0.1		+	11	10	2.20
9 „	.988	.427	74.5	66.5	8.0	62.1	.67	74.1	75.2	„	0.2		+	9	8	Above 10m.
10 „	.987	.479	76.7	65.6	11.1	59.1	.56	76.2	75.5	„	0.1		+	3		Above 10m.
11 „	.962	.445	79.9	67.0	12.9	59.6	.52	78.4	76.1	„	0·1	None.				
Noon.	.932	.498	83.3	65.6	17.7	54.4	.39	81.4	76.7	„	0.1		+	1		Above 10m.
1 p. m.	.892	.174	82.6	73.6	9.0	69.6	.66	80.3	76.8	WNW	0.3		+	11	10	1.00
2 „	.873	.193	82.6	72.6	10.0	67.9	.63	80.3	77.0	„	0.4		+	12	10	0.30
3 „	.863	.149	82.2	73.4	8.8	69.4	.67	80.4	77.4	„	0.4		+	12	10	0.30
4 „	.868	.142	81.1	73.4	7.7	69.9	.70	79.9	77.5	NW b W	0.5		+	14	12	0.20
5 „	.879	.179	78.2	71.8	6.4	68.8	.74	77.8	77.4	„	0·6		+	Out of Sc.	40	1.50
6 „	.891	.248	76.0	69.5	6.5	66.2	.73	76.1	77.2	„	0·5		+	17	15	0.40
7 „	.907	.261	75.4	69.4	6.0	66.4	.75	75.4	77.0	„	0.6		+	12	10	1.20
8 „	.919	.282	75.0	69.0	6.0	65.9	.75	75.1	77.0	„	0·4		+	14	12	1.10
9 „	.950	.421	74.5	65.5	9.0	60.3	.63	74.6	76.7	NW b N	0.3		+	10	9	1.15
10 „	.940	.380	72.2	65.7	6.5	62.0	.72	73.3	76.3	„	0.1		+	9	6	Above 10m.
11 „	.923	.344	71·4	66.0	5.4	63.0	.76	72.5	76.0	„	0.1		+	20	20	0.10
Dec.29th-Midnight	.914	.345	70.9	65.5	5.4	62.5	.76	72.0	75.8	NW b N	0.0		+	Out of Sc.	40	0.51
1 a. m.	.906	.280	70.0	67.0	3.0	65.4	.86	71.4	75.5	NNW	0.0		+	Out of Sc.	52	1.07
2 „	.886	.262	70.2	67.0	3.2	65.3	.85	71.0	75.4	„	0.0		+	11	10	4.36
3 „	.883	.386	68.5	62.3	6.2	58.4	.72	69.5	75.1	„	0·0		+	6		3.45
4 „	.880	.260	69.7	66.7	3.0	65.1	.86	70.3	74.9	N b E	0.0		+	13	12	0.24
5 „	.885	.273	70.1	66.6	3.5	64.7	.84	70.4	75.0	„	0·0		+	Out of Sc.	26	0.40
6 „	.918	.309	68 6	66.0	2.6	64.3	.90	69.7	74.8	„	0.0		+	Out of Sc.	28	0.30
7 „	.940	.452	67.1	61.5	5.6	57.9	.74	68.6	74.5	N b W	0.1		+	10	10	1.35
8 „	.960	.386	71.2	65.8	5.4	62.8	.76	71.8	74.7	„	0.1		+	Out of Sc.	25	Above 10m.
9 „	.968	.345	74.8	68.5	6.3	65.3	.73	74.2	75·2	NE b N	0.1		+	13	12	Above 10m.
10 „	.970	.377	76.9	68.3	8.6	63.8	.65	76.0	75.5	„	0.2		+	7	6	Above 10m.
11 „	.951	.409	78.2	67.2	11.0	61.0	.57	77.3	76.0	„	0.1	None.	+	3		Above 10m.
Noon.	.923	.453	82.2	66.2	16.0	56.5	.43	80.5	76.6	NW	0.1		+	3		Above 10m.
1 p. m.	.892	.434	82.0	71.8	10.2	66.9	.62	79.9	76.7	NW b W	0.3		+	9	8	2.30
2 „	.874	.179	82.0	72.8	9.2	68.6	.65	80.5	77.0	„	0.5		+	10	8	2.00
3 „	.863	.161	82.0	72.0	9.0	68.9	.66	80.5	77.2	„	0.4		+	5		3.00
4 „	.864	.156	80.8	72.8	8.4	69.2	.69	79.4	77.2	„	0.4		+	14	12	1.30
5 „	.883	.176	78.2	72.0	6.2	69.1	.75	77.8	77.2	NW	0.2		+	Out of Sc.	24	5.35
6 „	.893	.193	76.2	71.2	5.0	68.8	.79	76.2	77.0	„	0.1		+	Out of Sc.	25	3.30
7 „	.908	.204	75.2	71.0	4.2	69.0	.82	75.2	76.8	„	0.1		+	Out of Sc.	26	2.55
8 „	.926	.234	74.4	70.4	4.0	68.5	.83	74.8	77.7	NW b N	0·1		+	Out of Sc.	26	1.50
9 „	.936	.279	73.8	69.2	4.6	66.9	.80	74.4	77.5	„	0.3		+	18	16	Above 10m.
10 „	.931	.312	72.7	67.7	5.0	65.1	.78	73.3	77.3	NNW	0.1		+	18	15	0.50
11 „	.911	.305	70.7	66.6	4.1	64.4	.82	71.7	75.8	„	0.1		+	9	9	1·08
Dec.30th-Midnight	.897	.309	69.7	65.7	4.0	63.5	.82	71.1	75.5	NNW	0.0		+	17	16	0·59
1 a. m.	.890	243	69.6	67.5	2.1	66.4	.90	70.9	75.4	„	0.0		+	Out of Sc.	25	0.14
2 „	.885	.314	69.6	64.8	4.8	62.6	.83	69.6	75.2	„	0·0		+	Out of Sc.	30	0.20
3 „	.878	.327	67.6	63.8	3.8	61.5	.82	68.6	74.9	„	0.0		+	10	10	3.05
4 „	.886	.300	68.4	65.2	3.2	63.4	.85	68.9	74.7	„	0.0		+	5		1.10
5 „	.900	.364	66.8	63.0	3.8	60.7	.82	68.5	74.6	„	0.0	None.	+	13	12	5.50
6 „	.921	.432	65.7	61.0	4.7	58.0	.78	67.4	74.3	„	0.1		+	8	7	3.40
7 „	.942	.450	66.0	61.2	4.8	58.1	.77	67.9	74.0	N b W	0·1		+	17	16	1.20
8 „	.963	.470	69.4	62.5	6.9	58.2	.65	70.0	74.0	N	0.0		+	Out of Sc.	26	Above 10m.
9 „	.980	.498	72.3	63.2	9.1	57.5	.61	72.2	74.4	NNW	0·1		+	6		Above 10m.
10 „	.984	.486	74.7	64.6	10.1	58.5	.59	74.0	74.7	N b E	0.1		+	8	6	Above 10m.
11 „	.966	.417	77.0	67.0	10.0	61.4	.60	75.7	75.2	„	0.2		+	5	4	Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀⌒ nimbi.	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°1 and 82°0.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	A few pieces of ≀≀ above ESE hor.	
0	H	A few pieces of ≀≀ above ESE hor.; mist and fog in hor.	
0	H	Mist and fog in hor.	
0	R	"	
0	R	"	
0	R	Light mist along W hor.	
0	R	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	H	A few ≀ above NNE hor.	
0	H	"	
0	H	Clear.	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°4 and 82°1.
0	B	Clear; dew falling.	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
4	H	≀ scattered in E hem.	
6	H	≀ scattered about.	
2	H	≀ scattered about hor. from E to SSW; fog and mist in hor.	
1	R	" "	
1	R	Light ≀ scattered from E to S hor., a few above N and NW hor.; mist and fog in hor.	
1	R	Light ≀ in NW, N, E, SE, and S hor.; mist and fog in hor.	
0	R	A few ≀ along E hor.; light mist along W hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	"	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°5 and 82°1.
0	B	Clear; dew falling.	
0	B	"	
0	B	"	
0	B	"	
0	H	"	
0	H	Mist around hor.	
0	H	"	
0	H	Mist and fog in hor.	
0	R	"	
0	R	Mist in hor.	
0	R	"	

Bombay Civil Time. 1859.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 30th-Noon.	29.932	29.370	78°8	68°0	10°8	62°1	0.58	76°8	75°5	WNW	0.1		+	9	8	Above 10m.
1 p. m.	.897	.336	80.4	68.8	11.6	62.7	.56	78.8	75.9	NW b W	0.6		+	2		Above 10m.
2 „	.881	.286	80.6	69.6	11.0	63.9	.58	78.9	76.1	„	0.8		+	4		Above 10m.
3 „	.864	.245	80.4	70.2	10.2	65.1	.61	78.8	76.3	„	0.8		+	3		Above 10m.
4 „	.869	.256	79.6	69.8	9.8	64.8	.62	78.3	76.5	NW	0.8	None.	+	2		Above 10m
5 „	.881	.268	77.2	69.0	8.2	64.8	.67	76.6	76.4	„	0.6		+	3		Above 10m.
6 „	.894	.292	75.2	68.0	7.2	64.2	.70	75.0	76.2	„	0.5		+	6	4	Above 10m.
7 „	.910	.293	74.4	68.2	6.2	65.0	.74	74.4	76.0	„	0.7		+	4		Above 10m.
8 „	.926	.320	73.6	67.6	6.0	64.4	.74	73.6	75.8	„	0.6		+	2		Above 10m.
9 „	.937	.284	73.0	68.8	4.2	66.7	.82	73.4	75.7	NW b N	0·4		+	9	8	1.30
10 „	.931	.369	71.5	65.5	6.0	62.1	.74	72.1	75.6	„	0.2		+	10	9	0.36
11 „	.917	.396	69.0	63.3	5.7	59.9	.74	70.5	75.1	NNW	0.1		+	12	10	1.55
Dec. 31st-Midnight	.909	.389	68.3	63.0	5.3	59.8	.75	69.8	74.7	NNW	0.1		+	16	16	Above 10m.
1 a. m.	.909	.375	67.6	63.2	4.4	60.6	.80	69.3	74.4	„	0.0		+	8	6	0.54
2 „	.902	.336	68.2	64.5	3.7	62.3	.83	69.1	74.3	„	0.0					
3 „	.893	.438	66.1	60.0	6.1	55.8	.71	67.1	74.0	„	0.0					
4 „	.891	.420	65.8	60.4	5.4	56.8	.74	67.1	73.6	„	0.0					
5 „	.902	.451	65.4	59.6	5.8	55.5	.67	66.0	73.5	„	0.0					
6 „	.299	.507	64.5	58.5	6.0	54.1	.71	66.5	73.3	„	0.0		+	8	6	1.40
7 „	.949	.459	64.6	60.6	4.0	58.1	.81	66.6	73.0	„	0.0		+	Out of Sc.	24	1.30
8 „	.965	.411	69.6	64.6	5.0	61.7	.77	69.9	73.4	N b E	0.1		+	Out of Sc.	30	2.20
9 „	.985	.405	72.4	66.4	6.0	63.1	.74	72.0	73.7	NNE	0.1		+	Out of Sc.	30	2.30
10 „	.978	.493	73.3	63.7	9.6	57.7	.60	72.9	74.0	„	0.1	None.	+	Out of Sc.	38	Above 10m.
11 „	.953	.504	76.1	63.5	12.6	55.4	.51	75.3	74.5	NW	0·3		+	3		Above 10m.
Noon.	.915	.387	77.5	66.5	11.0	60.3	.57	76.2	74.6	„	0.8		+	3		Above 10m.
1 p. m.	.889	.327	78.8	68.0	10.8	62.1	.58	77.2	75.0	„	0 8		+	4		Above 10m.
2 „	.864	.289	79.4	68.6	10.8	62.8	.59	78.0	75·3	NW b W	1.0		+	3		Above 10m.
3 „	.850	.248	79.4	69.4	10.0	64.2	.61	78.0	75.5	„	1.0		+	3		Above 10m.
4 „	.851	.265	78.4	68.6	9.8	63.4	.62	77.2	75.7	„	1.0		+	2		Above 10m.
5 „	.866	.312	76.0	66.8	9.2	61.7	.63	76.5	75.7	„	0.6		+	3		Above 10m.
6 „	.882	.304	74.4	67.0	7.4	63.0	.70	74.0	75.5	NW	0.5		+	2		Above 10m.
7 „	.898	.295	73.6	67.5	6.1	64.3	.74	73.7	75.4	„	0·4		+	2		Above 10m.
8 „	.911	.318	73.0	67.0	6.0	63.8	.74	73.0	75.2	„	0.6		+	2		Above 10m.
9 „	.916	.288	71.6	67.6	4.0	65.5	.82	72.0	75.1	NW b N	0.4		+	8	6	2.30
10 „	.926	.330	69.8	66.0	3.8	63.9	.83	70.2	74.8	„	0.0		+	Out of Sc.	30	1.20
11 „	.918	.313	68.4	65.8	2.6	64.4	.90	69.5	74.5	„	0·0		+	4		3.50

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ∿∿ cirro-cumuli ; ∩ cumuli ; ⌣ cirro-strati ; ∩∿ cumulo-strati ; and ∿⌣ nimbi.	
0	R	Clear.	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	Clear.	Mean daily temperature of ground 20 and 60 inches below its surface 78°6 and 82°0.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	H	,,	
0	H	Mist around hor.	
0	H	Fog and mist around hor.	
0	H	,,	
0	R	,,	
0	R	,,	
0	R	Clear.	
0	R	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	H	A few ∿ in WNW hor.	
1	H	∿ scattered along W hor.	
0	H	Clear.	
0	H	,,	
0	H	,,	
0	H	Clear; dew falling.	
0	H	,, ,,	

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETER OBSERVATIONS.

1859.

63*—1859.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Rouald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M
2ND APRIL.	From 5h 30m to 7h P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	5.30	0.07	1 in 1	
		,,	,,	,,	10	,,	.31	.08	1 ,, 1	
		,,	,,	,,	14	,,	.33	.11	1 ,, 1	
		,,	,,	,,	15	,,	.36	.12	2 ,, 1	
		,,	,,	,,	14	,,	.38	.10	2 ,, 1	
		,,	,,	,,	14	,,	.41	.10	2 ,, 1	
		,,	,,	,,	15	,,	.43	.42	2 ,, 1	
		,,	,,	,,	13	,,	.45	.10	1 ,, 1	
		,,	,,	,,	13	,,	.46	.12	1 ,, 1	
		,,	,,	,,	14	,,	.48	.12	1 ,, 1	
		,,	,,	,,	15	,,	.49	.15	1 ,, 1	
		,,	,,	,,	15	,,	.51	.15	1 ,, 1	
		,,	,,	,,	15	,,	6.03	.17	1 ,, 1	
		,,	,,	,,	16	,,	.06	.20	1 ,, 2	
		,,	,,	,,	16	,,	.09	.20	1 ,, 2	
		,,	,,	,,	16	,,	.11	.20	1 ,, 2	
		,,	,,	,,	28	,,	.21	.30	1 ,, 2	
		,,	,,	,,	24	,,	.24	.30	1 ,, 2	
		,,	,,	,,	30	,,	.26	.36	2 ,, 3	
		,,	,,	,,	30	,,	.27	.36	2 ,, 3	6.27
		,,	,,	,,	28	,,	.28	.34	2 ,, 3	and
		,,	,,	,,	28	,,	.29	.36	2 ,, 3	6.30
		,,	,,	,,	30	,,	.30	.36	2 ,, 3	
		,,	,,	,,	29	,,	.31	.36	1 ,, 1	
		,,	,,	,,	26	,,	.32	.33	3 ,, 1	
		,,	,,	,,	22	,,	.33	.27	2 ,, 1	
		,,	,,	,,	22	,,	.36	.27	3 ,, 1	
		,,	,,	,,	25	,,	.38	.32	2 ,, 1	
		,,	,,	,,	27	,,	.41	.35	3 ,, 1	
		,,	,,	,,	24	,,	.43	.30	1 ,, 1	
		,,	,,	,,	22	,,	.44	.28	1 ,, 1	
		,,	,,	,,	22	,,	.45	.27	2 ,, 1	
		,,	,,	,,	22	,,	.46	.28	1 ,, 1	
		,,	,,	,,	22	,,	.47	.28	2 ,, 1	
		,,	,,	,,	20	,,	.48	.26	1 ,, 1	
		,,	,,	,,	19	,,	.49	.25	2 ,, 1	
		,,	,,	,,	22	,,	.50	.28	3 ,, 1	
		,,	,,	,,	20	,,	.51	.26	1 ,, 1	
		,,	,,	,,	20	,,	.53	.26	1 ,, 1	
		,,	,,	,,	27	,,	.54	.27	2 ,, 1	
		,,	,,	,,	17	,,	.56	.25	3 ,, 1	
		,,	,,	,,	15	,,	.57	.22	2 ,, 1	
		,,	,,	,,	12	,,	.58	.20	1 ,, 2	
		,,	,,	,,	8	,,	.59	.15	1 ,, 3	
		,,	,,	,,	8	,,	7.00	.15	1 ,, 4	
3RD APRIL.	From 7h 44m to 8h 05m P. M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	7.44	0.16	1 in 2	
		,,	,,	,,	15	,,	46	.20	1 ,, 3	
		,,	,,	,,	12	,,	8.04	.15	A spark.	7.46
		,,	,,	50		0.03	.05			
28TH APRIL.	From 6h 38m to 7h 8m P. M.	Neg.	Out of Scale.	Out of Scale.	12	Inst.	6.38	0.11	1 in 1	
		,,	,,	,,	10	,,	.39	.10	1 ,, 1	
		,,	,,	,,	10	,,	.40	.09	1 ,, 1	
		,,	,,	,,	16	,,	.43	.17	1 ,, 2	
		,,	,,	,,	18	,,	.44	.16	2 ,, 3	6.44

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29·855	86·0	N b E	0·2	cirro	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N	0·3	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N b E	0·2	,,	Ranges of ∩ı were seen along E hor. from 1 P. M.; they appeared in extensive forms after 3 P. M., and had assumed threatening appearance; masses of dense clouds were scattered about hor., and they inosculated into heavy ∿ı at 4h. 25m. and kept moving southward; ligth breezes of wind were blowing about this time, but their force never exceeded one pound. The temperature of air was hot and ranged between 89° and 90°; the difference between air and wet bulb thermometers was above 10°.
		N	,,	,,	
		,,	,,	,,	
29·882	2·1	,,	,,	,,	
		NE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		ENE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E b N	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0.0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	The sky was densely clouded by heavy masses of ∿ı, moving SW, lightning in N was observed at interval of about 30s.; two claps of thunder were heard at 4.50, accompanied with passing drops of rain; smart shower of rain commenced at 5h. 25m.; lightning and thunder continually noticed after 5h. 25m.; the motion of clouds at 5h. was southward, at 6h. it was SW, and at 7h. it was westward.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·887	83·2	,,	,,	,,	
		E b N	1·0	7/8	Densely clouded.
		NNW	,,	,,	
		NNE	,,	,,	
29·805	82·7	,,	,,	,,	
29·680	85·8	NE	1·0	6	∿ı scattered about, moving NW; thunder and lightning in NE; raining.
		,,	1·5	,,	
		,,	2·0	,,	
		,,	,,	7	Clouds moving SW; lightning in ENE; rain falling lightly.
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
28TH APRIL.	From 6h 38m to 7h 8m P. M.	Neg.	Out of Scale.	Out of Scale.	16	Inst.	6.45	0.15	2 in 1	
		,,	,,	,,	14	,,	.46	.15	1 ,, 1	
		,,	,,	,,	12	,,	.47	.12	1 ,, 2	
		,,	,,	,,	14	,,	.48	.13	1 ,, 1	
		,,	,,	,,	16	,,	.49	.14	2 ,, 1	
		,,	,,	,,	16	,,	.50	.16	2 ,, 3	
		,,	,,	,,	14	,,	.52	.14	2 ,, 1	
		,,	,,	,,	14	,,	.53	.14	2 ,, 1	
		,,	,,	,,	10	,,	.54	.10	1 ,, 2	
		,,	,,	,,	10	,,	.55	.09	A spark.	
		,,	,,	,,	9	,,	.57	.08	2 in 3	
		,,	,,	,,	14	,,	7.00	.14	1 ,, 1	
		,,	,,	,,	13	,,	.02	.12	2 ,, 1	
		,,	,,	,,	12	,,	.03	.12	1 ,, 1	
		,,	,,	,,	10	,,	.05	.10	1 ,, 2	
		,,	,,	,,	5	,,	.06	.04	A spark.	
		,,	22	22		3.03	.07			
		,,	Out of Scale.	50		Inst.	.08			
	From 7h 13m to 7h 17m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	7.13	0.04	A spark.	
		,,	,,	,,	6	,,	.14	.05	1 in 1	
		,,	,,	,,	6	,,	.15	.05	1 ,, 1	7.15
		,,	,,	30		0.05	.17			
	From 7h 19m to 8h 8m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	7.19	0.09	2 in 1	
		,,	,,	,,	10	,,	.20	.10	1 ,, 1	
		,,	,,	,,	12	,,	.21	.11	1 ,, 1	
		,,	,,	,,	14	,,	.23	.14	1 ,, 1	
		,,	,,	,,	14	,,	.24	.13	1 ,, 1	7.24
		,,	,,	,,	12	,,	.25	.10	2 ,, 1	
		,,	,,	,,	14	,,	.28	.12	3 ,, 2	
		,,	,,	,,	14	,,	.31	.12	1 ,, 1	
		,,	,,	,,	14	,,	.34	.13	3 ,, 2	
		,,	,,	,,	12	,,	.35	.12	2 ,, 1	
		,,	,,	,,	12	,,	.36	.11	3 ,, 2	
		,,	,,	,,	12	,,	.38	.11	2 ,, 3	
		,,	,,	,,	14	,,	.40	.13	2 ,, 1	7.40
		,,	,,	,,	12	,,	.42	.11	1 ,, 2	
		,,	,,	,,	10	,,	.44	.10	1 ,, 1	
		,,	,,	,,	8	,,	.45	.07	1 ,, 3	
		,,	,,	,,	8	,,	.47	.07	1 ,, 3	
		,,	,,	,,	6	,,	.48	.05	1 ,, 1	
		,,	,,	,,	10	,,	.50	.10	1 ,, 1	
		,,	,,	,,	10	,,	.51	.10	1 ,, 2	
		,,	,,	,,	10	,,	.54	.10	1 ,, 1	
		,,	,,	,,	12	,,	.55	.11	1 ,, 2	
		,,	,,	,,	10	,,	.57	.09	1 ,, 1	
		,,	,,	,,	10	,,	.59	.09	1 ,, 1	
		,,	,,	,,	6	,,	8.01	.05	1 ,, 1	
		,,	,,	,,	5	,,	.02	.04	A spark.	
		,,	,,	,,	6	,,	.03	.05	1 in 3	
		,,	,,	,,	4	,,	.05	.04	1 ,, 4	
		,,	,,	,,	4	,,	.07	.04	A spark.	
		,,	,,	80		0.12	.08		,,	
30TH APRIL.	From 8h 36m to 9h 3m P. M.	Neg.	Out of Scale.	Out of Scale.	9	Inst.	8.36	0.08	1 in 1	8.36
		,,	,,	,,	6	,,	.38	.04	3 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		ENE	2·0	7	Clouds moving SW; lightning in ENE; rain falling lightly.
		,,	0·5	8	
		,,	,,	,,	
		,,	1·5	,,	
		E	,,	,,	Drops of rain falling.
		,,	,,	,,	
		,,	0.5	,,	
		,,	0·3	,,	
29·718	81·5	,,	,,	,,	Rain has ceased.
		E b S	,,	,,	
		,,	,,	,,	
		ENE	0·8	,,	Rolling thunder in NE, with vivid lightning.
		,,	,,	,,	
		,,	,,	,,	
		,,	0·6	,,	Lightning along E hor.
		,,	,,	,,	
		,,	,,	,,	
29·719	80·4	,,	,,	,,	Breaks in the clouds in W.
		ENE	06	8	
		,,	,,	,,	
		NE b E	,,	6	
		,,	,,	,,	The instrument is only affected on the occurrence of thunder or lightning.
		,,	,,	,,	
		,,	,,	,,	
		NE b E	1·2	5	
		,,	,,	,,	Heavy clouds scattered about hor.
		,,	1·0	,,	
		,,	0·4	8	
		,,	,,	,,	
29·710	80·6	,,	,,	,,	
		,,	,,	,,	Clouds were moving E; lightning in N.
		,,	,,	,,	
		,,	,,	,,	
		,,	0·2	,,	
		,,	,,	,,	
		,,	,,	8	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·2	,,	
		,,	0·1	,,	
		,,	,,	,,	E hem. densely clouded; motion of clouds were S; passing drops of rain falling.
		Calm.	0.0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·698	80·8	,,	,,	,,	
29·820	83·2	S b W	0·4	7/8	Densely clouded with ∿, moving S; electrical ∩ along E hor.
		,,	0·2	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
30th April.	From 8h 36m to 9h 3m P. M.	Neg.	Out of Scale.	Out of Scale.	6		8.40	0.04		
		,,	,,		8		.41	.05	3 in 2	
		,,	,,	75		0.12	.43		1 ,, 1	
		,,	,,	60		.14	.45			
		,,	Out of Scale.	Out of Scale.	6	Inst.	.46	0.05		
		,,	18	15		0.06	.48		1 in 1	
		,,	24	18		.04	.51			
		,,	Out of Scale.	Out of Scale.	6		9.01	0.05		
		,,	,,	,,	6		.02	.05	1 in 1	
		,,	,,	75		0.07	.03		1 ,, 1	
2nd June.	From 8h 56m to 9h 21m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	8.56	0.12	3 in 1	
		,,	,,	,,	8	,,	.57	.10	2 ,, 1	
		,,	,,	,,	8	,,	.59	.10	2 ,, 1	
		,,	,,	,,	8	,,	9.00	.10	2 ,, 1	
		,,	,,	,,	12	,,	.01	.18	3 ,, 1	
		,,	,,	,,	13	,,	.02	.14	1 ,, 1	
		,,	,,	,,	13	,,	.03	.14	2 ,, 1	9.3
		,,	,,	,,	10	,,	.05	.11	2 ,, 1	
		,,	,,	,,	10	,,	.06	.11	2 ,, 1	
		,,	,,	,,	10	,,	.07	.11	1 ,, 1	
		,,	,,	,,	9	,,	.09	.10	2 ,, 1	
		,,	,,	,,	10	,,	.10	.10	1 ,, 1	
		,,	,,	,,	8	,,	.12	.09	2 ,, 3	
		,,	,,	,,	8	,,	.16	.09	2 ,, 3	
		,,	,,	,,	7	,,	.18	.09	2 ,, 3	
		,,	,,	,,	5	,,	.19	.05	1 ,, 2	
		,,	,,	,,	4	,,	.20	.95	1 ,, 3	
		,,	,,	80		0.03	.21		A spark.	
	From 10h 25m to 10h 42m P. M.	Neg.	Out of Scale.	Out of Scale.	18	Inst.	10.25	0.16	3 in 1	10.25
		,,	,,	,,	12	,,	.28	.10	2 ,, 1	
		,,	,,	,,	10	,,	.30	.08	1 ,, 1	
		,,	,,	,,	11	,,	.33	.07	2 ,, 1	
		,,	,,	,,	12	,,	.36	.07	2 ,, 1	
		,,	,,	,,	10	,,	.38	.06	2 ,, 1	
		,,	,,	,,	15	,,	.40	.08	3 ,, 1	
		,,	,,	,,	12	,,	.42	.09	3 ,, 1	
8th June.	From 0h 00m to 0h 46m A. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	12.00	0.10	3 in 1	
		,,	,,	,,	10	,,	.01	.10	2 ,, 1	
		,,	,,	,,	12	,,	.03	.12	2 ,, 1	
		,,	,,	,,	14	,,	.04	.14	2 ,, 1	
		,,	,,	,,	15	,,	.05	.15	2 ,, 1	
		,,	,,	,,	15	,,	.06	.15	3 ,, 1	0.7
		,,	,,	,,	16	,,	.07	.17	2 ,, 1	
		,,	,,	,,	12	,,	.08	.12	2 ,, 1	
		,,	,,	,,	10	,,	.23	.08	2 ,, 1	
		,,	,,	,,	12	,,	.24	.10	2 ,, 1	
		,,	,,	,,	12	,,	.25	.10	2 ,, 1	
		,,	,,	,,	10	,,	.26	.09	1 ,, 1	
		,,	,,	,,	10	,,	.30	.08	1 ,, 1	
		,,	,,	,,	8	,,	.31	.07	1 ,, 1	
		,,	,,	,,	8	,,	.33	.06	1 ,, 1	
		,,	,,	,,	10	,,	.35	.10	2 ,, 1	
		,,	,,	,,	10	,,	.37	.10	1 ,, 1	
		,,	,,	,,	9	,,	.38	.09	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°	•	lbs.		
		S b W	0·2	7/8	Densely clouded with ∿, moving S; electrical ∩ along E hor.
		,,	,,	,,	
		SSW	,,	,,	Light rain commenced to fall.
		,,	0·5	,,	
		SW b S	0·3	,,	
		,,	,,	,,	Thunder in NNW.
29·868	83.4	S b W	,,	,,	
		,,	,,	,,	Thunder in E.
		,,	,,	,,	
29·849	83·6	,,	,,	,,	Drizzling rain falling.
		NE	4·0	8/8	
		ENE	1·8	,,	Lightning in N and NE; thunder about 2th.; big drops of rain falling.
		NE	3·0	,,	
		,,	2·5	,,	
		,,	,,	,,	
		ENE	3·5	,,	
		,,	,,	,,	Rain ceased.
		,,	1·5	,,	
		,,	,,	,,	
		,,	1·0	,,	
29·686	80·6	E	0·6	,,	Clouds moving W; lightning and thunder in NW.
		,,	,,	,,	
		ESE	,,	,,	
		,,	1·0	,,	Lightning in W; thunder in NW.
		,,	,,	,,	
		E b S	,,	,,	
		,,	1·5	,,	Distant thunder in NW.
		,,	,,	,,	
		S b W	0·5	8/8	
		,,	1·5	,,	Overcast with ∿, moving NW; lightning; rain falling.
		SSW	,,	,,	
		,,	,,	,,	
29.663	82·2	,,	2·0	,,	Rain falling heavely.
		,,	1·0	,,	
		,,	0·6	,,	
		,,	0·8	,,	Lightning in E, SE, S, and SW; thunder about the same.
		SW b W	0·3	8/8	
		,,	,,	,,	
		NW b W	,,	,,	
		WSW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining heavily.
		,,	,,	,,	
29.674	75.8	,,	,,	,,	
		W b S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		SW b W	,,	,,	Lightning and thunder in SE; rain abated.
		,,	,,	,,	
		,,	,,	,,	
29·654	75.8	SW	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time. or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
8th June.	From 0h 00m to 0h 47m A. M.	Neg.	Out of Scale.	Out of Scale.	9	Inst.	2.40	0.09	1 in 2	
		,,	,,	,,	8	,,	.42	.08	2 ,, 3	
		,,	,,	,,	7	,,	.44	.07	1 ,, 2	
		,,	,,	,,	5	,,	.45	.05	A spark.	
		,,	,,	75		0.09	.46		,,	
		,,	,,	30		.12	.47			
11th July.	From 6h 36m to 6h 51m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	6.36	0.06	1 in 1	
		,,	,,	,,	6	,,	.37	.05	1 ,, 1	
		,,	,,	,,	4	,,	.38	.03	A spark.	
		,,	,,	,,	4	,,	.39	.02	1 in 1	
		,,	,,	,,	3	,,	.40	.03	1 ,, 1	
		,,	,,	,,	4	,,	.41	.02	A spark.	
		,,	,,	,,	8	,,	.44	.08	1 in 1	
		,,	,,	,,	10	,,	.45	.10	2 ,, 1	6.45
		,,	,,	,,	8	,,	.46	.07	1 ,, 1	
		,,	,,	,,	5	,,	.47	.04	A spark.	
		,,	,,	,,	6	,,	.48	.05	1 in 1	
		,,	,,	,,	6	,,	.49	.05	1 ,, 1	
	From 6h 52m to 7h 6m P. M.	Neg.	Out of Scale.	100		Inst.	6.52	0.02	A spark.	
		,,	,,	Out of Scale.	6	,,	.54	.05	1 in 1	
		,,	,,	,,	8	,,	.55	.08	1 ,, 1	
		,,	,,	,,	7	,,	.56	.07	1 ,, 1	
		,,	,,	,,	10	,,	.57	.08	3 ,, 2	6.27
		,,	,,	,,	8	,,	.58	.07	1 ,, 1	
		,,	,,	,,	7	,,	.59	.07	1 ,, 1	
		,,	,,	,,	8	,,	7.01	.08	2 ,, 3	
		,,	,,	,,	7	,,	.02	.07	2 ,, 3	
		,,	,,	,,	5	,,	.03	.04	A spark.	
		,,	,,	50		0.04	.04			
		,,	,,	40		.06	.06			
	From 9h 6m to 9h 39m P. M.	Neg.	Out of Scale.	Out of Scale.	9	Inst.	9.06	0.07	3 in 1	
		,,	,,	,,	9	,,	.11	.07	3 ,, 1	
		,,	,,	,,	6	,,	.19	.05	1 ,, 1	
		,,	,,	,,	7	,,	.20	.06	2 ,, 3	
		,,	,,	,,	10	,,	.21	.10	1 ,, 1	
		,,	,,	,,	12	,,	.23	.10	2 ,, 1	
		,,	,,	,,	12	,,	.24	.12	3 ,, 2	
		,,	,,	,,	12	,,	.25	.11	1 ,, 1	
		,,	,,	,,	12	,,	.26	.11	1 ,, 1	
		,,	,,	,,	10	,,	.28	.10	2 ,, 1	
		,,	,,	,,	12	,,	.30	.11	1 ,, 1	9.30
		,,	,,	,,	11	,,	.31	.10	1 ,, 1	
		,,	,,	,,	10	,,	.33	.10	1 ,, 1	
		,,	,,	,,	7	,,	.35	.06	1 ,, 1	
		,,	,,	,,	6	,,	.37	.05	1 ,, 2	
		,,	,,	,,	4	,,	.38	.02	A spark.	
		,,	,,	25		0.10	.39			
12th July.	From 5h 12m to 5h 20m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	5.12	0.06	1 in 1	5.12
		,,	,,	,,	5	,,	.17	.05	1 ,, 2	
		,,	,,	,,	5	,,	.19	.05	1 ,, 3	
		,,	,,	50		0.03	.20			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		SW	0.3	0/0	Lightning and thunder in SE; rain abated.
		,,	,,	,,	
		S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·624	82·2	Calm.	0·0	0/0	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	Lightning and thunder in SE; rain ceased.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNE	0·1	,,	Lightning and thunder continually noticed.
		,,	,,	,,	
		,,	,,	,,	
		NNE	0·1	0/0	Lightning continually seen in SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N b E	0·2	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
29·632	79·6	,,	,,	,,	
		SE b E	0·1	0/0	Raining lightly.
29·659	79·7	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·661	79·7	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·575	88·0	Calm.	0·0	0/0	Nearly overcast with ∿ and light ∿.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1)	Volta (2)	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
13th July.	From 5h 17m to 5h 28m A. M.	Neg.	Out of Scale.	Out of Scale.	14	Inst.	5.17	0.13	2 in 1	
		,,	,,	,,	16	,,	.18	.16	3 ,, 1	
		,,	,,	,,	18	,,	.20	.17	3 ,, 1	5.20
		,,	,,	,,	6	,,	.22	.05	1 ,, 1	
		,,	,,	,,	12	,,	.23	.12	2 ,, 1	
		,,	,,	,,	14	,,	.24	.14	3 ,, 1	
		,,	,,	,,	12	,,	.26	.12	1 ,, 1	
		,,	,,	,,	8	,,	.27	.07	1 ,, 1	
	From 5h 30m to 6h 00m A. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	5.30	0.06	1 in 2	
		,,	,,	,,	12	,,	.31	.12	2 ,, 1	
		,,	,,	,,	11	,,	.32	.10	3 ,, 1	
		,,	,,	,,	13	,,	.34	.12	3 ,, 1	
		,,	,,	,,	11	,,	.35	.11	2 ,, 1	
		,,	,,	,,	10	,,	.36	.10	2 ,, 1	
		,,	,,	,,	12	,,	.37	.10	2 ,, 1	
		,,	,,	,,	12	,,	.39	.11	3 ,, 1	
		,,	,,	,,	12	,,	.42	.12	2 ,, 1	
		,,	,,	,,	14	,,	.43	.13	3 ,, 1	
		,,	,,	,,	15	,,	.44	.15	3 ,, 1	
		,,	,,	,,	14	,,	.45	.13	3 ,, 1	
		,,	,,	,,	10	,,	.49	.09	2 ,, 1	
		,,	,,	,,	10	,,	.50	.09	1 ,, 1	
		,,	,,	,,	12	,,	.52	.11	2 ,, 1	
		,,	,,	,,	14	,,	.53	.12	2 ,, 1	
		,,	,,	,,	14	,,	.54	.13	2 ,, 1	
		,,	,,	,,	18	,,	.55	.16	3 ,, 1	5.55
		,,	,,	,,	14	,,	.57	.12	2 ,, 1	
		,,	,,	,,	14	,,	.58	.12	1 ,, 1	
	From 6h 00m to 6h 27m A. M.	Neg.	Out of Scale.	50			6.00			
		,,	,,	Out of Scale.	5	0.01	.01	0.04	A spark.	
		,,	,,	,,	7	Inst.	.02	.06	1 in 1	
		,,	,,	,,	6	,,	.03	.05	1 ,, 1	
		,,	,,	,,	7	,,	.06	.06	A spark.	
		,,	,,	,,	8	,,	.07	.06	1 in 1	
		,,	,,	,,	10	,,	.08	.10	2 ,, 1	
		,,	,,	,,	10	,,	.09	.09	1 ,, 1	
		,,	,,	,,	10	,,	.10	.09	1 ,, 1	
		,,	,,	,,	10	,,	.12	.08	1 ,, 1	
		,,	,,	,,	12	,,	.13	.10	1 ,, 1	6.13
		,,	,,	,,	7	,,	.14	.06	1 ,, 1	
		,,	,,	,,	8	,,	.16	.06	2 ,, 1	
		,,	,,	,,	10	,,	.17	.09	2 ,, 3	
		,,	,,	,,	10	,,	.19	.09	2 ,, 1	
		,,	,,	,,	8	,,	.21	.06	1 ,, 1	
		,,	,,	,,	10	,,	.24	.08	1 ,, 1	
		,,	,,	,,	8	,,	.26	.06	A spark.	
		,,	,,	35		,,	.27			
	From 3h 39m to 4h 39m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	3.39	0.08	1 in 1	
		,,	,,	,,	12	,,	.40	.10	2 ,, 1	
		,,	,,	,,	14	,,	.43	.12	1 ,, 1	
		,,	,,	,,	12	,,	.44	.10	1 ,, 1	
		,,	,,	,,	10	,,	.46	.08	1 ,, 1	
		,,	,,	,,	10	,,	.47	.08	1 ,, 1	
		,,	,,	,,	10	,,	.49	.08	1 ,, 2	
		,,	,,	,,	8	,,	.51	.08	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.*

Barometer corrected to 32° Fhar.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29·630**	79·4	Calm.	0·0	cto	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; raining; thunder about zth. every two minutes.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0·0	cto	
		"	"	"	Overcast; raining.
		"	"	"	
		"	"	"	
29·638	79·2	"	"	"	Electrometer affected only about the occurrence of lightning.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Vivid lightning and thunder about zth.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0·0	cto	
		"	"	"	
		"	"	"	
		"	"	"	No lightning nor thunder noticed after this minute.
		"	"	"	
		"	"	"	
		"	"	"	
29·647	79·0	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Clouds are dispersed in SE.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	cto	
		NE	"	"	Cloudless from SSE to SSW.
		"	"	"	
		"	"	"	
		"	"	"	
29·587	87·1	W b S	0·1	cto	Clouds moving N; continuous lightning and thunder about zth.
		WNW	"	"	
		"	"	"	
		"	"	"	Occasional thunder and lightning.
		"	"	"	
		W b N	"	"	
		"	"	"	
		"	"	"	Clouds dispersed in S and SE.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M
13th July.	From 3h 39m to 4h 39m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	3.54	0.06	1 in 1	
		,,	,,	,,	6	,,	.57	.05	1 ,, 1	
		,,	,,	,,	5	,,	.59	.04	A spark.	
		,,	,,	,,	6	,,	4.01	.04	1 in 1	
		,,	,,	,,	10	,,	.02	.09	1 ,, 1	
		,,	,,	,,	12	,,	.03	.10	2 ,, 1	
		,,	,,	,,	13	,,	.05	.12	2 ,, 1	
		,,	,,	,,	14	,,	.07	.13	1 ,, 1	
		,,	,,	,,	13	,,	.09	.12	2 ,, 1	
		,,	,,	,,	14	,,	.11	.13	3 ,, 2	
		,,	,,	,,	13	,,	.14	.12	2 ,, 1	
		,,	,,	,,	12	,,	.16	.12	2 ,, 1	
		,,	,,	,,	14	,,	.17	.13	2 ,, 1	
		,,	,,	,,	16	,,	.18	.15	1 ,, 1	4.18
		,,	,,	,,	15	,,	.19	.14	2 ,, 1	
		,,	,,	,,	14	,,	.21	.13	2 ,, 1	
		,,	,,	,,	12	,,	.23	.10	3 ,, 1	
		,,	,,	,,	12	,,	.25	.10	3 ,, 1	
		,,	,,	,,	12	,,	.27	.10	3 ,, 1	
		,,	,,	,,	12	,,	.28	.10	3 ,, 1	
		,,	,,	,,	12	,,	.29	.10	2 ,, 1	
		,,	,,	,,	12	,,	.31	.10	2 ,, 1	
		,,	,,	,,	10	,,	.33	.09	1 ,, 1	
		,,	,,	,,	10	,,	.35	.09	1 ,, 1	
		,,	,,	,,	10	,,	.37	.09	1 ,, 1	
		,,	,,	50		0.02	.39			
	From 4h 40m to 4h 53m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	4.40	0.05	1 in 1	
		,,	,,	,,	6	,,	.41	.05	1 ,, 1	
		,,	,,	,,	8	,,	.43	.06	1 ,, 1	
		,,	,,	,,	10	,,	.45	.08	1 ,, 1	4.10
		,,	,,	,,	8	,,	.47	.07	1 ,, 1	
		,,	,,	,,	6	,,	.48	.05	1 ,, 1	
		,,	,,	,,	4	,,	.51	.02	A spark.	
		,,	,,	,,	3	,,	.53	.02	,,	
14th July.	From 4h 49m to 5h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	16	Inst.	4.49	0.15	2 in 1	
		,,	,,	,,	17	,,	50	.16	3 ,, 2	4.50
		,,	,,	,,	16	,,	.52	.15	2 ,, 1	
		,,	,,	,,	15	,,	.54	.13	1 ,, 1	
		,,	,,	,,	15	,,	.56	.13	3 ,, 2	
		,,	,,	,,	15	,,	.58	.14	3 ,, 2	
		,,	,,	,,	12	,,	.59	.10	1 ,, 1	
		,,	,,	,,	12	,,	5.01	.11	3 ,, 2	
		,,	,,	,,	12	,,	.03	.10	2 ,, 1	
		,,	,,	,,	10	,,	.05	.09	1 ,, 1	
		,,	,,	,,	10	,,	.06	.09	1 ,, 1	
		,,	,,	,,	10	,,	.07	.09	2 ,, 1	
		,,	,,	,,	10	,,	.09	.08	2 ,, 1	
		,,	,,	,,	10	,,	.11	.08	2 ,, 1	
		,,	,,	,,	10	,,	.13	.08	2 ,, 1	
		,,	,,	,,	9	,,	.15	.08	2 ,, 1	
		,,	,,	,,	8	,,	.16	.07	3 ,, 2	
		,,	,,	,,	10	,,	.18	.08	3 ,, 1	
		,,	,,	,,	10	,,	.19	.08	2 ,, 1	
		,,	,,	,,	10	,,	.21	.08	2 ,, 1	
		,,	,,	,,	9	,,	.23	.08	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		W b N	0·1	6/8	
		WNW	,,	,,	Clouds dispersed in S and SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		WSW	0·2	,,	
29·583	85·4	,,	,,	,,	
		WNW	,,	,,	
		NW b W	,,	,,	Light drops of rain commenced to fall.
		,,	,,	,,	
		WNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	0·1	6/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Densely clouded, except in SE; thunder occasionally heard in N and NW, but lightning was seldom perceptible.
		,,	,,	,,	
		NW	0·1	7/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·575	85·2	,,	,,	,,	
29·495	89·0	NW	0·2	7/8	
		,,	,,	,,	
		,,	,,	,,	Threatening appearance in NE and E; the sky densely clouded with Cu, Cu, and Cu, their motion was W; continuous thunder in N, but no lightning was perceptible.
		NW b N	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Passing drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
29·492	88·1	NW b N	,,	,,	
		,,	,,	,,	Overcast with Cu, except in N and E where the clouds are slightly dispersed; occasional thunder in N.
		,,	,,	,,	
		NW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNW	0·4	,,	Clouds moving W.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
14th July.	From 4h 49m to 5h 41m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	5.24	0.07	1 in 2	
		,,	,,	,,	6	,,	.26	.05	1 ,, 2	
		,,	,,	,,	9	,,	.27	.07	2 ,, 3	
		,,	,,	,,	9	,,	.28	.07	1 ,, 1	
		,,	,,	,,	8	,,	.30	.06	1 ,, 2	
		,,	,,	,,	8	,,	.32	.07	1 ,, 2	
		,,	,,	,,	8	,,	.33	.07	2 ,, 5	
		,,	,,	,,	6	,,	.34	.05	A spark.	
		,,	,,	,,	4	,,	.35	.03	,,	
		,,	,,	,,	4	,,	.36	.03	,,	
		,,	,,	,,	4	,,	.37	.03	,,	
		,,	,,	,,	5	,,	.38	.03	1 in 1	
		,,	,,	50		0.03	.40			
		,,	,,	40		.08	.41			
	From 7h 59m to 8h 19m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	7.59	0.07	2 in 1	
		,,	,,	,,	9	,,	8.00	.07	2 ,, 1	
		,,	,,	,,	10	,,	.02	.08	2 ,, 1	
		,,	,,	,,	10	,,	.04	.08	2 ,, 1	8.04
		,,	,,	,,	10	,,	.06	.09	2 ,, 1	
		,,	,,	,,	9	,,	.08	.07	1 ,, 1	
		,,	,,	,,	9	,,	.10	.07	1 ,, 1	
		,,	,,	,,	8	,,	.12	.06	3 ,, 2	
		,,	,,	,,	6	,,	.14	.05	1 ,, 1	
		,,	,,	,,	6	,,	.16	.05	1 ,, 1	
		,,	,,	,,	5	,,	.17	.04	2 ,, 3	
		,,	,,	,,	2	,,	.18	.01	A spark.	
		,,	,,	100		0.04	.19		,,	
15th July.	From 2h 34m to 2h 44m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	2.34	0.06	2 in 1	
		,,	,,	,,	7	,,	.35	.06	3 ,, 2	
		,,	,,	,,	7	,,	.37	.06	1 ,, 1	2.37
		,,	,,	,,	6	,,	.41	.05	1 ,, 2	
		,,	,,	,,	3	,,	.43	.02	A spark.	
		,,	,,	55		0.10	.44		,,	
	From 2h 46m to 3h 39m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	2.46	0.04	1 in 2	
		,,	,,	,,	6	,,	.48	.05	3 ,, 2	
		,,	,,	,,	9	,,	.49	.07	1 ,, 1	2.49
		,,	,,	,,	8	,,	.51	.07	2 ,, 3	
		,,	,,	,,	8	,,	.53	.07	1 ,, 1	
		,,	,,	,,	7	,,	.57	.07	1 ,, 1	
		,,	,,	,,	8	,,	.58	.07	1 ,, 1	
		,,	,,	,,	6	,,	3.00	.05	1 ,, 1	
		,,	,,	,,	8	,,	.05	.07	2 ,, 3	
		,,	,,	,,	7	,,	.07	.06	2 ,, 3	
		,,	,,	,,	7	,,	.09	.06	2 ,, 3	
		,,	,,	,,	7	,,	.11	.06	1 ,, 1	
		,,	,,	,,	6	,,	.12	.05	1 ,, 1	
		,,	,,	,,	4	,,	.13	.04	1 ,, 2	
		,,	,,	,,	4	,,	.14	.03	2 ,, 3	
		,,	,,	,,	5	,,	.16	.04	1 ,, 1	
		,,	,,	,,	5	,,	.19	.03	1 ,, 1	
		,,	,,	,,	5	,,	.20	.04	1 ,, 1	
		,,	,,	,,	7	,,	.24	.05	1 ,, 3	
		,,	,,	,,	6	,,	.27	.05	1 ,, 3	
		,,	,,	,,	6	,,	.29	.05	1 ,, 4	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NNW	0·4	cirro	Clouds moving W.
		,,	,,	,,	
		N b W	,,	,,	
		,,	0·3	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·509	87·5	NW	0·2	,,	The motion of clouds was NW.
		NW b W	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	0·2	cirro	
		N b E	,,	,,	
		,,	,,	,,	cirri, cirro-cumuli, and cumuli scattered about; denser clouds moving S; thunder in ENE.
		,,	,,	,,	
		NNE	,,	,,	
29·514	86·6	,,	,,	,,	
		,,	,,	,,	
		NNE	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	Light drops of rain commenced to fall.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·538	88·0	SW b S	0·1	cirri	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	cirri and cirro-cumuli scattered about, former moving NW; occasional thunder in E and SE; a few dense cumuli in N.
		SSW	,,	,,	
		SSW	0·2	cumuli	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	cirro	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.524	86·3	,,	,,	,,	Thunder in NNE; passing drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	cirri	Huge masses of cirri passing here and there; lightning and thunder.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
15TH JULY.		Neg.	Out of Scale.	Out of Scale.	4	Inst.	3.30	0.03	1 in 2	
		,,	,,	,,	4	,,	.35	.03	1 ,, 2	
		,,	,,	,,	5	,,	.37	.04	1 ,, 3	
		,,	,,	,,	5	,,	.39	.04	1 ,, 3	
16TH JULY.	From $1^h\ 47^m$ to $2^h\ 10^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	1.47	0.14	3 in 1	
		,,	,,	,,	14	,,	.51	.16	3 ,, 1	
		,,	,,	,,	16	,,	.52	.16	2 ,, 1	
		,,	,,	,,	14	,,	.54	.15	3 ,, 1	
		,,	,,	,,	17	,,	.55	.16	3 ,, 1	1.55
		,,	,,	,,	14	,,	.56	.15	2 ,, 1	
		,,	,,	,,	14	,,	.57	.13	1 ,, 1	
		,,	,,	,,	15	,,	.59	.14	3 ,, 1	
		,,	,,	,,	10	,,	2.00	.10	1 ,, 1	
		,,	,,	,,	6	,,	.01	.05	A spark.	
		,,	,,	,,	10	,,	.02	.10	2 in 1	
		,,	,,	,,	10	,,	.04	.10	1 ,, 1	
		,,	,,	,,	12	,,	.05	.12	2 ,, 1	
		,,	,,	,,	10	,,	.07	.10	2 ,, 1	
		,,	,,	,,	4	,,	.08	.04	A spark.	
		,,	,,	,,	8	,,	.09	.08	1 in 1	
		,,	,,	50		0.21	.10			
	From $2^h\ 12^m$ to $2^h\ 39^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	2.12	0.09	1 in 1	
		,,	,,	,,	8	,,	.13	.08	1 ,, 1	
		,,	,,	,,	15	,,	.14	.13	3 ,, 1	
		,,	,,	,,	16	,,	.15	.14	2 ,, 1	
		,,	,,	,,	14	,,	.16	.13	2 ,, 1	
		,,	,,	,,	14	,,	.17	.13	3 ,, 1	
		,,	,,	,,	14	,,	.19	.13	3 ,, 1	
		,,	,,	,,	15	,,	.20	.15	Many.	
		,,	,,	,,	12	,,	.23	.13	3 in 1	
		,,	,,	,,	10	,,	.24	.10	2 ,, 1	
		,,	,,	,,	12	,,	.27	.10	2 ,, 1	
		,,	,,	,,	18	,,	.29	.17	3 ,, 1	2.29
		,,	,,	,,	16	,,	.30	.16	2 ,, 1	
		,,	,,	,,	14	,,	.32	.14	2 ,, 1	
		,,	,,	,,	13	,,	.33	.13	1 ,, 1	
		,,	,,	,,	8	,,	.34	.10	1 ,, 1	
		,,	,,	,,	6	,,	.35	.07	1 ,, 1	
		,,	,,	,,	4	,,	.36	.03	A spark.	
		,,	,,	1·00		0.02	.37	.01	,,	
	From $2^h\ 40^m$ to $3^h\ 7^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	12	Inst.	2.40	0.10	1 in 1	2.40
		,,	,,	,,	10	,,	.41	.11	2 ,, 1	
		,,	,,	,,	10	,,	.43	.10	2 ,, 1	
		,,	,,	,,	4	,,	.45	.04	A spark.	
		,,	,,	40		0.02	.46			
		,,	,,	Out of Scale.	07	Inst.	3.05	.06	2 in 3	
		,,	,,	,,	10	,,	.06	.08	1 ,, 1	
		,,	,,	25		0.02	.07			
	From $3^h\ 45^m$ to $4^h\ 7^m$ P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	3.45	0.06	1 in 1	
		,,	,,	,,	6	,,	.47	.06	1 ,, 2	
		,,	,,	,,	6	,,	.49	.05	1 ,, 2	
		,,	,,	,,	7	,,	.51	.05	1 ,, 1	
		,,	,,	,,	6	,,	.52	.05	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	REMARKS.
In.	°		lbs.		
29·505	85·7	SSW	0·2	7/8	Huge masses of ∿ passing here and there; lightning and thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·473	87·0	NW	0·2	7/8	∿ in E hem.; continuous thunder about zth.; light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N b W	0·1	,,	Rain commenced to fall.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW b N	0·2	8/8	Overcast with ∿, moving SSE.
		,,	,,	,,	
29·471	86·5	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNW	0·3	8/8	Overcast with ∿, moving NNW; sheet lightning in E.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	0·1	,,	Overcast; continuous thunder in S hem.; sheet lightning about zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Loud peals of thunder about zth.
29·458	82.0	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Rain ceased.
		,,	,,	,,	Heavy rain and thunder about zth.
		NW	0·1	8/8	
		Calm.	0·0	,,	
		,,	,,	,,	
		,,	,,	,,	Light rain and occasional thunder.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29·445	80·0	,,	,,	,,	
		Calm.	0·0	8/8	
		,,	,,	,,	
		,,	,,	,,	Overcast with ∿, moving N; thunder in SW.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time. or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
16th July.	From 3h 45m to 4h 9m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	3.53	0.06	1 in 1	
		"	"	"	9	"	.56	.07	2 " 1	3.56
		"	"	"	9		.58	.07	1 " 2	
		"	"	"	4	"	.59	.04	1 " 2	
		"	"	"	3		4.02	.05	1 " 3	
		"	"	30		0.07	.09			
22nd Sept.	From 4h 24m to 5h 01m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	4.24	0.05	1 in 1	
		"	"	"	4	"	.26	.06	1 " 1	
		"	"	"	4	"	.27	.07	1 " 2	
		"	"	"	4	"	.29	.05	2 " 1	
		"	"	"	8	"	.31	.10	1 " 1	
		"	"	"	12	"	.33	.14	1 " 2	
		"	"	"	10	"	.35	.13	1 " 1	
		"	"	"	12	"	.36	.13	1 " 1	
		"	"	"	14	"	.38	.14	1 " 1	
		"	"	"	16	"	.39	.18	2 " 3	
		"	"	"	18	"	.40	.20	1 " 1	4.40
		"	"	"	18	"	.42	.20	2 " 1	
		"	"	"	16	"	.43	.18	2 " 1	
		"	"	"	10	"	.45	.12	1 " 1	
		"	"	"	16	"	.46	.15	1 " 1	
		"	"	"	14	"	.48	.17	1 " 1	
		"	"	"	10	"	.50	.11	1 " 2	
		"	"	"	4	"	.52	.07	1 " 3	
		"	"	75	0	0.02	.54		Single spark.	
		"	"	Out of Scale.	3	Inst.	.59	.05	"	
		"	"	"	2	"	5.00	.02	"	
		"	"	50	0	0.04	.01		"	
		"	"	Out of Scale.	4	Inst.	.03	.06	"	
26th Sept.	From 1h 50m to 2h 49m P. M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	1.50	0.03	A spark.	
		"	"	"	4	"	2.04	.05	1 in 1	
		"	"	"	4	"	.06	.05	1 " 1	
		"	"	"	6	"	.07	.07	2 " 1	
		"	"	"	6	"	.08	.07	2 " 1	
		"	"	"	5	"	.09	.07	1 " 1	
		"	"	"	7	"	.12	.08	3 " 1	
		"	"	"	7	"	.15	.06	A spark.	
		"	"	"	10	"	.17	.12	Many.	
		"	"	"	11	"	.20	.10	"	
		"	"	"	12	"	.24	.14	"	
		"	"	"	14	"	.25	.16	"	
		"	"	"	10	"	.26	.15	3 in 1	Uncertain.
		"	"	"	10	"	.28	.12	2 " 1	
		"	"	"	14	"	.30	.16	Many.	
		"	"	"	12	"	.31	.15	"	
		"	"	"	12	"	.32	.15	3 in 1	
		"	"	"	13	"	.33	.16	3 " 1	
		"	"	"	14	"	.34	.17	Many.	
		"	"	"	10	"	.38	.12	2 in 1	
		"	"	"	12	"	.42	.14	4 " 1	
		"	0	0	0		.49			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		Calm.	0·0	8/8	Overcast with ∿i, moving N; thunder in SW.
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿i, moving N.
		"	"	"	
29·437	01·2	"	"	"	
29·761	82·6	Calm.	0·0	8/8	Overcast with ∿i, moving SE; raining lightly; occasional thunder in E of zth.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		NW	0·1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0·2	"	
		"	"	"	Overcast; lightning in E; raining.
		"	"	"	
		"	0·1	"	Thunder about zth.; raining.
		"	"	"	Sheet lightning and thunder about zth; the sky completely overcast with heavy clouds.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.782	80·2	"	"	"	Electrometer after this observation was only affected at the time of thunder or lightning.
		NW	0·2	8/8	The sky was densely clouded with heavy ∿i, moving nearly SSW; loud thunder and lightning were continually noticed; electrometer was only affected at the occurrence of lightning, but showed nothing at the time of thunder. It was raining very heavily after 2 P. M.; the following observed values of electric tension are obtained from the registry of electrical observations taken under these unfavourable circumstances.
		SE	"	"	
		"	0·5	"	
		"	"	"	
29·831	79.6	"	0·4	"	
		"	"	"	
		"	"	"	
		E	"	"	
29·835	78.8	"	0·8	"	
		"	"	"	
		"	"	"	
		"	1·0	"	
		"	2·0	"	
		"	5·0	"	A loud peal of crackling thunder in N.
		"	6·0	"	Forked lightning in N.
		"	1·5	"	Rain moderated.
		"	0·8	"	
		"	0·2	"	
29·842	76·2	Calm.	0·0	"	Rain commenced to fall very heavily.
		"	"	"	
		"	"	"	
29·809	75·6	"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1)	Volta (2)	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	M. H. P. M.	In.	Sp. Sec.	H. M.
27TH SEPT.	From 5h 46m to 6h 26m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	5.46	0.06	1 in 1	
		,,	,,	,,	6	,,	.49	.07	1 ,, 2	
		,,	,,	,,	7	,,	.50	.09	1 ,, 2	
		,,	,,	,,	9	,,	.52	.11	2 ,, 3	5.52
		,,	,,	,,	8	,,	.53	.10	1 ,, 2	
		,,	,,	,,	8	,,	.58	.10	1 ,, 2	
		,,	,,	,,	5	,,	6.01	.05	1 ,, 2	
		,,	,,	,,	5	,,	.04	.05	1 ,, 2	
		,,	,,	,,	5	,,	.07	.06	1 ,, 2	
		,,	,,	,,	5	,,	.08	.05	2 ,, 5	
		,,	,,	,,	5	,,	.10	.07	1 ,, 3	
		,,	,,	,,	5	,,	.12	.05	1 ,, 3	
		,,	,,	,,	7	,,	.14	.07	1 ,, 2	
		,,	,,	,,	5	,,	.16	.05	1 ,, 4	
		,,	,,	,,	5	,,	.18	.05	2 ,, 5	
		,,	,,	,,	4	,,	.20	.05	2 ,, 5	
		,,	,,	,,	3	,,	.22	.04	1 ,, 3	
		,,	,,	,,	1	,,	.24	.03	1 ,, 2	
		,,	,,	,,	1	,,	.26	.02	1 ,, 2	
28TH SEPT.	From 4h 50m to 6h 00m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	4.50	0.07	2 in 1	
		,,	,,	,,	5	,,	.51	.07	1 ,, 1	
		,,	,,	,,	5	,,	.52	.06	2 ,, 1	
		,,	,,	,,	5	,,	.53	.07	2 ,, 1	
		,,	,,	,,	6	,,	.54	.07	2 ,, 3	
		,,	,,	,,	6	,,	.55	.08	2 ,, 1	
		,,	,,	,,	7	,,	.56	.08	2 ,, 3	
		,,	,,	,,	6	,,	.58	.07	1 ,, 2	
		,,	,,	,,	7	,,	.59	.08	2 ,, 3	
		,,	,,	,,	7	,,	5.00	.08	1 ,, 1	
		,,	,,	,,	7	,,	.02	.08	1 ,, 1	
		,,	,,	,,	7	,,	.03	.08	1 ,, 1	
		,,	,,	,,	8	,,	.04	.09	3 ,, 2	
		,,	,,	,,	8	,,	.05	.09	1 ,, 1	
		,,	,,	,,	9	,,	.06	.10	1 ,, 2	
		,,	,,	,,	8	,,	.07	.09	1 ,, 1	
		,,	,,	,,	7	,,	.08	.09	1 ,, 1	
		,,	,,	,,	7	,,	.09	.09	2 ,, 3	
		,,	,,	,,	7	,,	.10	.09	2 ,, 3	
		,,	,,	,,	8	,,	.11	.10	1 ,, 1	
		,,	,,	,,	9	,,	.12	.10	1 ,, 1	
		,,	,,	,,	10	,,	.13	.12	3 ,, 2	
		,,	,,	,,	10	,,	.14	.12	3 ,, 2	
		,,	,,	,,	10	,,	.16	.12	3 ,, 2	
		,,	,,	,,	9	,,	.17	.10	2 ,, 1	
		,,	,,	,,	10	,,	.19	.12	2 ,, 1	
		,,	,,	,,	9	,,	.20	.11	1 ,, 1	
		,,	,,	,,	9	,,	.21	.11	2 ,, 1	
		,,	,,	,,	8	,,	.23	.10	2 ,, 1	
		,,	,,	,,	9	,,	.25	.12	3 ,, 2	
		,,	,,	,,	10	,,	.26	.12	3 ,, 2	
		,,	,,	,,	10	,,	.27	.13	1 ,, 1	
		,,	,,	,,	10	,,	5.28	.12	1 ,, 1	
		,,	,,	,,	10	,,	.30	.12	1 ,, 1	
		,,	,,	,,	10	,,	.31	.12	1 ,, 1	
		,,	,,	,,	8	,,	.32	.10	1 ,, 1	
		,,	,,	,,	8	,,	.33	.10	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NW	0·1	7/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	8/8	
		NNW	,,	,,	
		,,	,,	,,	
		,,	0·2	,,	
		,,	,,	,,	
		,,	,,	,,	
29·731	82·0	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW b N	0·3	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·2	,,	
		,,	,,	,,	
		N b W	,,	,,	
		,,	,,	,,	
29·680	83·4	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning in NE and E.
		,,	,,	,,	
		,,	0.3	,,	A beautiful rainbow in E whose diameter was about 60 degrees.
		,,	,,	,,	
		,,	,,	,,	Sheet lightning and distant thunder in NE.
		,,	,,	,,	
		,,	,,	,,	
29·696	83·2	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NNW	0·2	,,	Overcast with Cu and Ci.
		,,	,,	,,	
		,,	,,	,,	Overcast; thunder to N of zth.
		,,	,,	,,	Overcast.
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M
28TH SEPT.	From 4h 50m to 6h P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	5.34	0.12	2 in 1	
		,,	,,	,,	10	,,	.35	.13	3 ,, 2	
		,,	,,	,,	10	,,	.36	.12	2 ,, 1	
		,,	,,	,,	10	,,	.37	.12	2 ,, 1	
		,,	,,	,,	9	,,	.38	.11	2 ,, 3	
		,,	,,	,,	11	,,	.39	.13	2 ,, 1	
		,,	,,	,,	10	,,	.41	.12	2 ,, 1	
		,,	,,	,,	11	,,	.43	.13	2 ,, 1	
		,,	,,	,,	12	,,	.44	.14	3 ,, 1	
		,,	,,	,,	13	,,	.45	.15	2 ,, 1	
		,,	,,	,,	14	,,	.46	.16	2 ,, 1	5.46
		,,	,,	,,	13	,,	.47	.15	2 ,, 1	
		,,	,,	,,	12	,,	.48	.14	2 ,, 3	
		,,	,,	,,	12	,,	.49	.14	1 ,, 1	
		,,	,,	,,	12	,,	.50	.14	3 ,, 2	
		,,	,,	,,	12	,,	.51	.15	2 ,, 1	
		,,	,,	,,	12	,,	.52	.14	1 ,, 1	
		,,	,,	,,	12	,,	.53	.15	1 ,, 2	
		,,	,,	,,	8	,,	.54	.10	2 ,, 3	
		,,	,,	,,	7	,,	.55	.09	1 ,, 1	
		,,	,,	,,	6	,,	.57	.08	1 ,, 2	
		,,	,,	,,	5	,,	.58	.07	1 ,, 3	
		,,	,,	,,	4	,,	.59	.06	1 ,, 4	
		,,	,,	,,	1	,,	6.00		Single spark.	
					0		.01			
	From 6h 2m to 6h 4m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	6.02	0.08	1 in 1	6.02
		,,	,,	,,	5		.03	.06	1 ,, 1	
		,,	,,	,,	2		.03		A spark.	
		,,			0		.04			
	From 6h 11m to 6h 31m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	6.11	0.10	2 in 1	
		,,	,,	,,	16	,,	.13	.19	2 ,, 1	
		,,	,,	,,	16	,,	.15	.19	3 ,, 1	
		,,	,,	,,	18	,,	.16	.20	2 ,, 1	
		,,	,,	,,	18	,,	.17	.20	Many.	
		,,	,,	,,	19	,,	.18	.21	2 in 1	
		,,	,,	,,	20	,,	.19	.23	Many.	
		,,	,,	,,	19	,,	.20	.21	3 in 1	
		,,	,,	,,	20	,,	.21	.23	Many.	
		,,	,,	,,	21	,,	.23	.23	,,	
		,,	,,	,,	22	,,	.24	.24	,,	
		,,	,,	,,	20	,,	.25	.22	3 in 1	
		,,	,,	,,	23	,,	.26	.26	3 ,, 1	6.26
		,,	,,	,,	20	,,	.27	.22	2 ,, 1	
		,,	,,	,,	16	,,	.28	.19	2 ,, 1	
		,,	,,	,,	16	,,	.29	.19	2 ,, 1	
		,,	,,	,,	8	,,	.30	.10	1 ,, 2	
		,,	,,	,,	2	,,	.31		Single spark	
	From 6h 47m to 7h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	6.47	0.08	2 in 1	
		,,	,,	,,	7	,,	.49	.09	2 ,, 1	
		,,	,,	,,	7	,,	.53	.09	2 ,, 3	
		,,	,,	,,	10	,,	.55	.12	3 ,, 4	
		,,	,,	,,	8	,,	.56	.10	1 ,, 1	
		,,	,,	,,	9	,,	.58	.10	1 ,, 1	
		,,	,,	,,	9	,,	7.01	.10	1 ,, 1	
		,,	,,	,,	13	,,	.03	.16	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fhar.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		N b W	0·2	8/8	Overcast.
		"	"	"	Overcast; rainbow with its reflected image visible in E.
		"	"	"	
		"	"	"	
29·692	82·8	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		N	"	"	Overcast; a rainbow in E hem.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·698	83·0	"	0·3	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·699	82·9	"	"	"	Lightning and thunder about zth.; very light rain falling.
		"	"	"	
		"	"	"	
		N	0·3	8/8	
		"	"	"	
		NNE	0·4	"	
		"	"	"	
29·704	82·3	NNE	0·4	8/8	
		NE	"	"	
		"	"	"	Overcast; raining very lightly.
		"	"	"	
		NE b E	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		ESE	0·8	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·710	80·7	"	"	"	
		"	"	"	Densely clouded with heavy [illegible]; raining; fresh breezes of wind.
		"	1·0	"	
		E b N	"	"	
		"	"	"	
		E b N	1·2	8/8	
		"	"	"	
		"	0·8	"	
		"	"	"	
		"	"	"	Overcast; lightning in SE; drops of rain falling; light breezes of wind blowing.
		"	"	"	
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
28th Sept.	From 6h 47m to 7h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	15	Inst.	7.03	0.18	2 in 1	
		"	"	"	18	"	.04	.20	2 " 1	7.4
		"	"	"	17	"	.05	.20	2 " 1	
		"	"	"	14 to 18	"	.06	.20	1 " 1	
		"	"	"	12 to 16	"	.08	·18	2 " 1	
		"	"	"	12	"	.10	.15	1 " 1	
		"	"	"	14	"	.12	.16	1 " 1	
		"	"	"	5	"	.13	.07	A spark.	
		"	5	5	0	0.03	.14			
	From 7h 17m to 7h 28m P. M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	7·17	0.03	2 in 1	
		"	"	"	6	"	.18	.07	2 " 1	
		"	"	"	6	"	.21	.08	2 " 1	
		"	"	"	6	"	.23	.08	2 " 1	7.23
		"	"	"	2	"	.24	.03	A spark.	
		"	"	"	0	"	.25			
		"	"	"	1	"	.26	.02	A spark.	
		"	"	50		0.02	.27			
		"	5			0.10	.28			
	From 7h 35m to 8h 8m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	7.35	0.04	2 in 5	
		"	"	"	3	"	.36	.05	1 " 2	
		"	"	"	5	"	.37	.08	1 " 2	
		"	"	"	5	"	.38	.07	1 " 1	
		"	"	"	7	"	.39	.09	2 " 1	
		"	"	"	7	"	.40	.09	2 " 1	
		"	"	"	8	"	.41	.10	2 " 1	
		"	"	"	8	"	.42	.10	2 " 1	
		"	"	"	8	"	.43	.10	3 " 2	
		"	"	"	8	"	.46	.10	1 " 1	
		"	"	"	8	"	·48	.10	2 " 1	
		"	"	"	10	"	.51	.12	3 " 1	7.51
		"	"	"	10	"	.53	.12	2 " 1	
		"	"	"	9	"	.55	·11	1 " 1	
		"	"	"	9	"	.57	.11	1 " 1	
		"	"	"	8	"	.59	.10	1 " 1	
		"	"	"	8	"	8.01	.10	1 " 1	
		"	"	"	6	"	.03	.08	2 " 1	
		"	"	"	5	"	.04	.07	3 " 2	
		"	"	"	5	"	.05	.07	3 " 2	
		"	"	"	5	"	.06	.07	1 " 1	
		"	"	"	2	"	.07	.03	A spark.	
		"	"	30	0	0.07	.08			
	From 8h 10m to 8h 25m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	8.10	0.05	1 in 1	
		"	"	"	5	"	.11	.07	3 " 2	
		"	"	"	5	"	.12	.07	3 " 2	
		"	"	"	5	"	.13	.07	1 " 1	
		"	"	"	6	"	.14	.08	1 " 1	
		"	"	"	6	"	.15	.08	2 " 1	8.15
		"	"	"	6	"	·16	.08	2 " 1	
		"	"	"	5	"	.17	·07	3 " 2	
		"	"	"	5	"	.19	.07	3 " 2	
		"	"	"	4	"	.21	.06	1 " 1	
		"	"	"	4	"	.22	.06	1 " 2	
		"	"	"	4	"	.23	.06	1 " 2	
		"	"	"	2	"	·24	.04	1 " 3	
		"	"	50	0	0.03	.25			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		E b N	0·8	8/10	Overcast; lightning in SE; drops of rain falling; light breezes of wind blowing.
		,,	,,	,,	
		,,	,,	,,	
		E b N	,,	,,	
29·711	78·5	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; light rain; light wind; lightning in SE.
		E b N	0·8	8/10	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·6	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E b N	0·6	8/10	
29·725	78·5	,,	,,	,,	
		,,	,,	,,	Overcast with rain; light wind, rain, and lightning in SE.
		,,	,,	,,	
		,,	0·5	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·2	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining very lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0·8	,,	
29·738	78·4	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E b N	0·8	8/10	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; sheet lightning in ESE hor.; raining very lightly.
		,,	,,	,,	
		E	,,	,,	
		,,	,,	,,	
		E b S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		ESE	0·4	,,	
		,,	,,	,,	
		,,	,,	,,	
29·746	78·2	,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Date.	Bombay Mean Solar Time, or Limits of Time, 1859.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
29th Sept.	From 5h 49m to 5h 55m P. M.	Neg.	Out of Scale.	Out of Scale.	1	Inst.	5.49	0.02	2 in 3	
		,,	,,	,,	3	,,	.51	.03	2 ,, 3	
		,,	,,	,,	4	,,	.53	.07	2 ,, 1	5.53
		,,	,,	,,	1	,,	.54	.02	A spark.	
		,,	0	0	0		.55			
	From 6h 19m to 6h 28m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	6.19	0.08	1 in 1	
		,,	,,	,,	5	,,	.20	.08	1 ,, 1	
		,,	,,	,,	7	,,	.22	.08	2 ,, 1	6.22
		,,	,,	,,	6	,,	.24	.08	1 ,, 2	
		,,	,,	,,	4	,,	.25	.06	1 ,, 3	
		,,	,,	,,	4	,,	.26	.06	1 ,, 4	
		,,	,,	,,	3	,,	.27	.03	A spark.	
		,,	,,	50	0	0.04	.28		,,	
1st Oct.	From 5h 15m to 6h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	5.15	0.09	1 in 2	
		,,	,,	,,	9	,,	.17	.10	1 ,, 2	
		,,	,,	,,	8	,,	.21	.13	1 ,, 1	
		,,	,,	,,	10	,,	.24	.15	2 ,, 2	
		,,	,,	,,	6	,,	.27	.10	1 ,, 1	
		,,	,,	,,	6	,,	.32	.10	1 ,, 1	
		,,	,,	,,	10	,,	.34	.13	1 ,, 1	
		,,	,,	,,	10	,,	.38	.14	1 ,, 1	
		,,	,,	,,	12	,,	.40	.16	1 ,, 1	
		,,	,,	,,	13	,,	.42	.17	1 ,, 1	
		,,	,,	,,	15	,,	.43	.19	1 ,, 1	
		,,	,,	,,	18	,,	.44	.19	1 ,, 1	5.44
		,,	,,	,,	15	,,	.45	.19	1 ,, 1	
		,,	,,	,,	18	,,	.47	.19	1 ,, 2	
		,,	,,	,,	16	,,	.48	.17	1 ,, 1	
		,,	,,	,,	12	,,	.51	.14	1 ,, 2	
		,,	,,	,,	12	,,	.54	.14	1 ,, 3	
		,,	,,	,,	9	,,	.57	.11	1 ,, 2	
		,,	,,	,,	11	,,	.59	.13	1 ,, 3	
		,,	,,	,,	10	,,	6.04	.11	A spark.	
		,,	20	18		0.25	.14			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1859.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		N b E	0·4	8/8	Nearly overcast with ∿ and ⌇; ∩ in heaps around hor.; thunder in E occasionally heard; light drops of rain falling; and a beautifull rainbow visible in E.
		"	0·6	"	
		NNE	1·0	"	
		"	1·5	"	Light rain and smart gusts of wind blowing at 6h. P. M., the force of which was about 4 lbs.
		NE b N	2·0	"	
29·729	80·4	ENE	3·0	8/8	
		"	2·8	"	
		"	3·0	"	Overcast; raining very lightly; faint flashes of lightning in E.
		NE b E	"	"	
		"	"	"	
		"	0·8	"	
		"	"	"	
		"	"	"	
29·683	83·5	W b S	0·1	8/8	The sky was completely overcast with heavy ∿, moving southward; low rumbling thunder in E heard in the afternoon, but during these observations it was registered in NE; no lightning was observed till 7 P. M., but afterwards vivid flashes of lightning were observed in SW, accompanied with thunder; it was also raining lightly after sunset.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·694	82·6	"	"	"	
		"	"	"	

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1859.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological elements are comprised under this head:—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Barometers is 0·013in., which remains nearly constant, consequently the observations of Barometer No. 48 are not printed, nor any results found from them, except the mean monthly values of the same in Table I. of Meteorological Introduction, which will show, at a glance, the movements of them both. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, which were placed in situations differing from one another, in order that all the changes which the Temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperatute of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of a cubic foot of Air; Weight of Water in a cubic foot of Air; Weight of vapour required for complete Saturation of a cubic foot of Air; and quantity of water actually evaporated in the Atmosphere. Of all these, the only one actually observed, has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the introduction to this Part.

Direction and Force of Wind.—These elements were deduced from the self-registered curves of Osler's Wind Anemometer and Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds in different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

TABLE I.—*Showing, in the Months of January and February, the Mean Daily*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Free Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 20 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JANUARY 1859.	1																						
	2	Gtst. S. Dec.																					
	3		30·011	29·897	29·950	78·4	69·6	73·6	70·5	65·0	68·3	8·4	2·3	5·3	73·5	75·3	77·7	81·3	65·6	0·639	0·77	511	7·0
	4	● A	·040	·920	·965	77·6	66·7	72·3	72·0	59·3	65·9	11·2	2·6	6·4	72·2	74·4	77·6	81·2	62·3	·568	·72	513	6·2
	5		·011	·876	·938	78·0	62·6	69·7	68·5	56·0	62·3	10·8	3·8	7·5	69·7	72·5	77·4	81·1	57·5	·486	·67	516	5·4
	6		29·999	·879	·923	82·8	64·5	72·7	79·0	60·0	68·0	12·0	1·0	4·7	72·5	73·3	77·1	81·1	65·5	·629	·79	511	7·0
	7		30·018	·902	·942	84·7	69·6	76·5	75·6	66·0	71·4	11·6	1·7	5·1	76·1	45·6	76·8	81·0	69·0	·704	·79	509	7·7
	8		·037	·916	·966	86·4	72·0	77·1	76·6	66·5	71·0	16·4	2·2	6·1	76·8	76·5	76·8	81·0	68·1	·682	·75	508	7·4
	9	Eq.																					
	10		·043	·903	·957	87·4	69·8	76·5	75·0	65·8	69·5	18·6	2·8	7·0	76·1	76·4	77·1	81·0	66·0	·638	·71	508	7·0
	11		·031	·908	·953	83·6	69·0	75·3	74·6	65·0	69·3	12·2	3·0	6·0	75·0	76·1	77·3	81·0	66·3	·643	·75	510	7·0
	12	☽	·025	·900	·952	82·0	68·6	74·8	74·0	65·0	69·8	11·0	1·6	5·0	74·5	75·7	77·1	81·0	67·3	·667	·79	510	7·2
	13		·016	·904	·950	81·5	68·6	74·3	74·0	64·4	69·2	11·0	1·0	5·1	74·0	75·4	77·0	80·9	66·6	·652	·78	511	7·2
	14		29·996	·888	·938	81·6	67.4	73·7	74·0	64·8	69·6	10·6	0·0	4·1	73·6	75·1	77·0	80·8	67·6	·672	·82	511	7·4
	15		30·024	·917	·959	80·4	68·0	73·9	73·5	66·2	69·9	9·5	0.3	4·0	73·9	75·2	77·0	80·8	67·9	·680	·83	411	7·4
	16	Gtst. N Dec.																					
	17		·047	·903	·968	84·6	69·4	76·0	74·4	63·6	69·5	11·6	3·5	6·5	75·6	75·8	77·0	80·8	66·1	·641	·73	509	7·0
	18	P.	·042	·892	·946	83·4	67·8	75·1	74·0	64·4	69·9	12·6	1·0	5·2	74·9	75·8	77·0	80·7	67·3	·667	·78	210	7·2
	19	○	29·985	·853	·909	81·2	68·6	74·5	74·4	64·5	69·6	9·1	2·4	4·9	74·3	75·5	77·0	80·6	67·1	·662	·79	509	7·2
	20		·967	·851	·897	81·6	66·6	74·3	74·6	64·0	69·4	9·4	2·2	6·9	74·0	75·2	77·0	80·6	67·0	·659	·79	510	7·2
	21		·980	·851	·910	91·0	70·6	78·2	77·0	69·0	71·6	20·7	0·6	6·5	77·5	76·5	77·0	80·6	68·6	·694	·74	506	7·7
	22	Eq.	·995	·849	·911	88·4	73·0	78·7	76·6	68·4	72·1	18·0	2·0	6·6	78·3	77·6	77·2	80·7	69·0	·705	·75	504	7·7
	23																						
	24		·950	·842	·893	84·2	71·0	76·6	73·7	62·0	70·2	14·5	2·2	6·4	76·1	76·7	77·6	80·8	67.0	·660	·75	507	7·2
	25		30·011	·847	·923	80·2	69·6	74·6	72·8	66·8	70·4	9·0	1·0	4·2	74·6	76·2	77·7	80·7	68·4	·690	·83	509	7·4
	26	☾	29·945	·816	·877	79·4	67·6	73·6	72·0	62·8	68·6	7·6	2·6	5·0	73·3	75·2	77·6	80·7	66·0	·638	·79	509	7·0
	27		·969	·844	·906	78·2	68·3	73·2	71·0	66·0	68·6	8·0	1·2	4·6	72·9	74·9	77·5	80·6	66·2	·643	·80	511	7·0
	28		30·005	·880	·941	79·2	67·2	73·2	72·5	64·4	69·2	8·2	1·0	4·0	73·1	74·5	77·3	80·4	67·2	·663	·83	512	7·2
	29	Gtst. S. Dec.	·039	·890	·855	79·2	69·4	74·0	73·6	66·0	70·3	7·2	0·0	3·7	73·8	75·0	77·3	80·6	68·5	·693	·84	511	7·7
	30																						
	31	A.	29.951	·841	·895	81·6	66·2	74·1	74·0	61·2	69·3	10·4	0·8	4·9	73·9	74·6	77·0	80·5	66·9	·656	·79	510	7·2
FEBRUARY 1859.	1		29·997	29·885	29·927	82·4	69·0	75·7	76·7	65·4	72·2	7·4	0·8	3·5	75·4	75·8	76·9	80·4	74·6	0·742	0·85	508	8·1
	2		30·007	·891	·940	82·2	70·0	75·8	76·0	67·0	72·1	6·8	0·0	3·7	75·6	76·0	76·9	80·4	70·5	·738	·85	509	8·1
	3	●	·013	·884	·941	83·0	70·0	76·3	76·3	64·1	71·1	7·6	2·5	5·2	75·8	76·1	76·9	80·3	68·8	·696	·78	509	7·7
	4		29·992	·873	·924	86·0	71·4	78·0	77·0	65·0	71·6	12·3	3·0	6·4	77·4	77·0	77·0	80·3	68·7	·694	·74	506	7·7
	5	Eq.	30·004	·877	·934	86·0	72·4	78·3	78·0	67·0	72·7	14·6	0·6	5·6	77·9	77·6	77·0	80·3	70·2	·732	·77	507	7·9
	6																						
	7		·044	·929	·976	80·8	72·6	76·0	74·4	70·5	72·2	8·5	1·0	3·7	75·8	77·1	79·2	80·3	70·5	·739	·84	509	8·1
	8		·019	·889	·955	80·1	68·8	74·1	72·2	67·2	69·9	9·0	1·0	4·2	73·8	75·7	77·5	80·2	67·9	·679	·83	511	7·4
	9		29·986	·873	·926	80·4	67·8	74·2	72·0	64·1	68·3	9·8	2·3	5·9	74·0	75·4	77·6	80·3	65·3	·624	·75	510	6·8
	10	☽	·974	·844	·905	80·8	68·0	73·9	69·4	61·8	67·4	12·3	2·0	6·5	73·5	74·9	77·6	80·3	64·1	·598	·73	510	6·6
	11		30·016	·879	·932	82·2	67·5	74·9	69·7	59·1	64·3	15·6	6·2	10·5	74·0	74·9	77·5	80·3	57·9	·487	·57	510	5·3
	12	Gtst. N. Dec.	·051	·930	·976	82·4	65·3	74·2	69·0	57·5	63·6	16·4	6·3	10·6	73·9	74·7	77·2	80·2	57·0	·473	·57	511	5·1
	13																						
	14		·001	·847	·915	89·2	68·4	77·4	77·4	58·8	68·0	20·4	4·7	9·4	76·8	75·9	77·0	80·1	63·1	·578	·63	507	6·3
	15		29·972	·833	·899	94·4	72·4	80·4	79·5	67·4	71·7	22·8	3·0	8·7	79·8	77·9	76·9	80·1	67·7	·673	·66	502	7·3
	16	P.	30·020	·879	·936	88·2	73·4	80·0	77·0	68·0	72·7	16·4	2·8	7·2	79·3	78·6	77·1	80·2	69·6	·715	·72	503	7·8
	17	○	29·993	·839	·908	85·5	72·7	78·4	78·0	70·0	73·4	9·0	1·8	5·0	78·0	78·4	77·4	30·2	71·2	·756	·80	506	8·1
	18	Eq.	·932	·829	·879	84·8	71·8	78·4	76·8	65·5	72·4	10·2	3·2	6·0	77·9	77·1	77·7	80·2	69·8	·721	·76	505	7·9
	19		·977	·867	·913	82·6	72·0	77.2	77·0	69·0	73·0	9·0	1·6	4·2	76·9	77·7	77·8	80·2	71·2	·755	·82	507	8·1
	20																						
	21		·986	·856	·915	82·0	72·4	77·0	76·0	71·0	73·3	7·4	1·0	3·7	76·7	77·6	77·9	80·3	71·7	·768	·84	507	8·4
	22		·968	·840	·901	81·0	73·2	76·2	73·2	69·8	71·8	8·5	1·4	4·4	76·0	77·1	78·0	80·2	69·7	·721	·81	508	7·9
	23		·968	·854	·903	81·0	70·2	75·0	72·2	68·0	70·2	9·2	1·4	4·8	74·7	76·3	77·9	80·1	67·9	·679	·79	509	7·4
	24	☾	·989	·865	·914	80·2	68·8	74·3	74·0	66·0	70·2	7·0	1·4	4·1	73·9	75·5	77·8	80·0	68·2	·686	·82	510	7·4
	25	Gtst. S. Dec.	·972	·827	·897	83·5	70·7	76·4	77·0	70·0	73·1	7·0	0·0	3·2	75·9	76·3	77·8	80·0	71·7	·769	·86	508	8·4
	26		·953	·802	·881	85·0	73·0	78·1	78·5	71·0	74·8	7·5	0·5	3·8	77·7	77·4	77·8	80·0	73·5	·813	·86	506	8·9
	27		·934	·813	·869	84·7	73·0	78·4	77·0	72·5	74·7	9·0	0·0	3·7	78·0	78·1	77·7	80·0	73·2	·806	·85	505	8·7
	28	A.	·955	·831	·891	82·8	73·4	77·8	75·2	71·4	72·9	8·5	1·6	4·9	77·5	78·0	77·6	80·0	70·7	·744	·80	506	8·1

Value of all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Least.	Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.				lb.	lb.	lb.				
2·0	0·187	29·320	none	NE	NW	1·2	0·0	0·40	weak	4·9	⌒i and ⌒⌊i, motion E; light wind.	⌒i, ⌊i, and ⌊⌒i, motion N.
2·3	·215	·397	,,	,,	,,	1·0	0·0	0·34	,,	2·6	⌒⌊i, motion N.	⌒⌊i, motion SE; light wind.
2·6	·234	·452	,,	N b E	NNW	1·5	0·0	0·48	,,	..	A few pieces of ⌒⌊i in hor.	A few pieces of ⌒⌊i in hor.; moderate wind.
1·8	·163	·294	,,	N b W & NE	,,	1·5	0·0	0·30	,,	0·5	A few ⌒⌊i, motion N.	⌒⌊i, motion SE.
1·9	·192	·238	,,	NNE	NW	0·8	0·0	0·24	,,	1·3	⌒⌊i, motion SSE; dew.	⌒⌊i, motion SW; light wind.
2·5	·231	·284	,,	NE	NNW	0·4	0·0	0·15	,,	0·2	⌒⌊i and dew.	Cloudless and dew.
2·9	·258	·319	,,	ENE	,,	0·8	0·0	0·23	,,	..	Cloudless and dew.	Cloudless; light wind.
2·3	·219	·310	,,	calm ENE	NW	0·5	0·0	0·12	,,	..	,,	,, ,,
2·1	·182	·285	,,	NE	,,	0·4	0·0	0·13	,,	..	,,	Cloudless and dew.
1·8	·183	·298	,,	ENE	,,	0·8	0·0	0·23	,,	..	,,	,,
1·6	·147	·266	,,	calm and NE	,,	0·3	0·0	0·12	,,	..	Misty and dew.	,,
1·6	·144	·279	,,	,,	NNW	1·0	0·0	0·26	,,	..	,,	Cloudless; light wind.
2·6	·241	·327	,,	,,	NW	1·0	0·0	0·17	,,	0·8	⌊i and misty.	A few ⌊i in hor.; light wind.
2·1	·190	·279	,,	NE	,,	0·5	0·0	0·14	mod.	..	⌊i, misty, and dew.	Cloudless.
2·1	·178	·247	,,	N	NNW	1·0	0·0	0·35	weak	..	Misty in hor.	Cloudless; light wind.
1·8	·176	·238	,,	calm N	,,	1·4	0·0	0·33	,,	..	,,	,, ,,
2·5	·252	·216	,,	calm NE	NW	1·0	0·0	0·30	,,	..	Cloudless, misty, and dew.	Cloudless and dew; light wind.
2·8	·256	·206	,,	NE	,,	0·6	0·0	0·28	none	0·2	A few ⌊i in hor.; misty and dew.	Cloudless.
2·7	·239	·233	,,	calm & ENE	WNW	0·5	0·0	0·11	,,	1·7	⌊i, dew, lunar-halo, and misty.	⌊i, misty, and dew.
1·9	·153	·233	,,	calm N	NNW	1·5	0·0	0·53	,,	0·7	⌊i and dew.	⌊i around hor.; light wind.
2·0	·179	·239	,,	N b E	NW	0·8	0·0	0·35	,,	0·1	Almost cloudless and dew.	Cloudless; light wind.
1·8	·163	·263	,,	N	,,	0·6	0·0	0·26	,,	0·5	Pieces of ⌒⌊i; dew; misty.	Misty.
1·6	·143	·278	,,	calm N	,,	1·6	0·0	0·31	,,	..	Cloudless, misty, and dew.	Cloudless and dew; light wind.
1·3	·134	·263	,,	,,	NNW	1·2	0·0	0·38	,,	0·5	Patches of ⌒⌊i, ⌊i, and dew.	A few ⌊i and dew; light wind.
1·8	·174	·239	,,	N	,,	1·4	0·1	0·26	,,	0·4	⌊i and misty.	⌊i and dew; light wind.
1.5	0·131	29·185	none	calm & E	NW	0·5	0·0	0·18	none	..	Cloudless, dew, and misty.	Cloudless; dew.
1·5	·138	·202	,,	calm	NNW	1·7	0·0	0·34	,,	..	,, ,,	Cloudless; light wind.
1·9	·194	·245	,,	,,	,,	1·4	0·0	0·30	,,	0·4	Cloudless and misty.	⌊i.
2·5	·246	·230	,,	,,	NW	0·2	0·0	0·09	weak	0·4	Patches of ⌒⌊i and ⌊i.	⌊i and dew.
2·3	·217	·202	,,	E	SW	0·3	0·0	0·12	none	..	Cloudless, dew, and dew.	Almost cloudless and dew.
1·5	·143	·237	,,	N	NNW	1·0	0·1	0·33	weak	2·2	⌒⌊i and ⌒⌊⌊i, motion SE; dew.	⌒⌊i and ⌊i; light wind.
1·6	·151	·276	,,	N & NE	NW	0·8	0·1	0·32	,,	0·5	⌊i, ⌒⌊i, and dew.	⌊i in hor.
2·2	·208	·302	,,	N & calm	,,	0·8	0·0	0·31	,,	..	Patches in the morning.	Cloudless.
2·4	·226	·307	,,	calm & N	,,	1·5	0·0	0·38	,,	..	Misty and dew.	Cloudless; light wind.
4·0	·362	·445	,,	N	NNW	2·0	0·0	0·57	,,	..	Misty.	,, ,,
3·9	·359	·503	,,	,,	,,	3·3	0·0	0·86	,,	..	,,	Cloudless; moderate wind.
3·6	·344	·337	,,	calm	,,	0·8	0.0	0·22	,,	0·1	Misty.	Cloudless, except at midnight.
3·5	·341	·226	,,	NE & calm	,,	0·4	0.0	0·15	,,	1·1	⌊i and ⌒⌊i around hor.	⌊i and ⌒⌊i around hor.
3·0	·286	·221	,,	calm NE	NW	0·2	0.0	0·07	,,	..	Cloudless, dew, and misty.	Cloudless and dew.
2·1	·196	·152	,,	variable	,,	0·5	0·0	0·15	,,	..	,, ,,	A few ⌊i in the evening.
2·3	·231	·158	,,	NW	,,	0·8	0.0	0·35	,,	1·0	,, ,,	Dense ⌊i; motion E.
1·8	·161	·158	,,	NNW	NNW	0·8	0.0	0·27	,,	2·3	⌊i, motion E.	Cloudless and dew.
1·5	·142	·147	,,	,,	NW	0·7	0·0	0·31	none	2·0	⌒⌊i, motion NW; dew and misty.	Cloudless, except in ⌒⌊i about hor.
1·7	·166	·180	,,	NW	,,	0·6	0·0	0·28	weak	2·1	⌒⌊i, motion SE.	⌊i about hor.
1·9	·175	·224	,,	,,	,,	0·4	0·0	0·17	mod.	1·8	⌊i and ⌒⌊i, motion SE; dew and misty.	⌒⌊i in afternoon.
1·6	·149	·228	,,	NW & N	,,	0·8	0·0	0·29	weak	0·6	⌒⌊i in the morning; misty and dew.	Cloudless.
1·2	·124	·128	,,	calm	,,	0·8	0·0	0·17	mod.	..	Misty and dew.	Cloudless and dew.
1·3	·130	·068	,,	,,	W	0·3	0·0	0·09	none	..	,,	,,
1·5	·146	·063	,,	,,	NW	0·4	0·0	0·12	,,	0·2	⌊i in the morning, motion E; misty and dew.	,,
2·1	·190	·147	,,	calm & NW	,,	1·0	0·0	0·37	,,	0·6	⌒⌊i in the morning, motion SE and dew.	A few ⌊i about hor.; light wind.

TABLE II.—*Showing, in the Months of March and April, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Free Air.			Wet Bulb Thermometer.			Defference between Wet Bulb Temperature and the Air Temperature.			On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 20 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air Saturation 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
MARCH 1839.	1																						
	2																						
	3		29·896	29·789	29·833	80·8	72·1	75.6	71·7	65·4	68·9	12·7	1·3	6·7	75·4	76·9	77·9	80·0	65·4	0·627	0·72	507	6·8
	4	●	·904	·793	·834	81·8	71·3	75·4	75·3	63·3	67·7	11·9	1·4	7·7	75·0	76·1	78·0	80·0	63·5	·589	68	508	6·6
	5	Eq.	·896	·752	·821	82·2	69·7	75·5	71·8	65·4	68·7	10·7	3·6	6·8	75·2	76·0	77·8	80·0	65·3	·622	72	507	6·8
	6																						
	7		·941	·805	·879	82·8	71·2	76·8	74·4	69·4	71·7	9·0	1·6	5·1	76·4	76·8	77·6	80·0	69·4	·712	·79	506	7·7
	8		·956	·863	·904	82·9	72·2	77·0	74·2	69·6	71·7	8·7	2·6	5·3	76·6	77·1	77·6	80·0	69.2	·710	·78	507	7·7
	9		·946	·829	·878	82·6	72·6	77·3	75·0	70·5	72·7	8·0	1·6	4·6	76·9	77·3	77·6	80·0	70·7	·743	·81	506	8·1
	10		·928	·788	·849	84·9	73·4	78·5	78·0	71·6	74·9	7·1	0·6	3·6	78·1	78·0	77·7	80·0	73·4	·812	·85	505	8·7
	11	Gtst. N Dec.	·918	·819	·861	84·7	73·2	78·9	79·0	72·0	75·2	8·0	0·8	3·7	78·4	78·5	77·7	80·0	73·7	·820	·85	503	8·9
	12	☽	·967	·837	·897	84·4	73·6	78·4	75·0	70·0	73·1	9·6	1·3	5·3	78·1	78·5	77·9	80·1	70·8	·746	·78	506	8·1
	13																						
	14	●	·944	·81[illegible]	·876	83·6	70·1	76·9	72·0	64·0	68·2	12·0	4·1	8·7	76·4	76·9	78·1	80·2	63·7	·590	·65	506	6·5
	15		·956	·812	·873	87·2	71·0	79·0	72·5	61·0	67·1	18·0	8·4	11·9	78·3	77·5	78·0	80·1	60·7	·531	·55	503	5·9
	16	P.	·946	·814	·869	87·4	72·5	79·9	77·0	61·5	70·2	14·6	5·0	9·7	79·1	78·4	78·0	80·1	65·7	·685	·63	501	6·9
	17		·925	·779	·850	86·2	72·7	79·1	73·9	68·8	71·9	12·7	3·2	7·2	78·6	78·8	78·0	80·1	68·6	·696	·71	503	7·7
	18	Eq.	·934	·823	·879	83·4	72·2	77·6	74·0	69·2	72·0	10·3	1·2	5·6	77·3	78·4	78·3	80·1	69·5	·714	·77	505	7·9
	19	○																					
	20																						
	21		·954	·836	·895	98·4	74·1	83·0	81·7	69·0	74·3	26·4	2·1	8·7	82·3	80·3	78·6	80·3	70·6	·740	·67	499	8·3
	22		·962	·836	·894	87·2	77·2	81·4	81·0	72·3	77·2	7·0	1·0	4·2	81·1	80·8	78·7	80·4	75·8	·870	·83	501	9·5
	23		·965	·862	·905	86·6	75·0	80·1	79·0	71·2	75·8	8·0	0·9	4·3	79·6	80·3	78·9	80·5	74·1	·829	·83	502	8·9
	24		·953	·831	·888	87·4	74·2	80·3	78·0	69·4	73·4	14·0	2·7	6·9	79·9	79·9	79·0	80·5	70·4	·736	·73	502	7·9
	25	Gtst. S Dec.	·929	·830	·873	88·9	75·5	81·9	79·2	68·6	74·8	13·0	2·2	7·1	81·2	80·4	79·1	80·5	74·8	·770	·72	499	8·0
	26	☾	·988	·865	·919	87·8	78·0	82·3	81·2	76·0	78·6	7·0	0·6	3·7	81·9	81·3	79·3	80·6	77·3	·917	·86	500	9·8
	27																						
	28	A.	30·014	·850	·938	88·0	77·5	81·6	80·2	76·0	77·7	8·7	0·8	3·9	81·2	81·4	79·6	80·6	76·3	·888	·85	501	9·5
	29		29·966	·831	·902	89·6	76·0	81·7	80·0	73·0	76·7	11·0	1·0	5·0	81·1	81·2	79·8	80·7	74·7	·847	·80	500	9·2
	30		·962	·791	·872	88·0	74·6	81·5	79·2	70·6	75·2	12·0	2·0	6·3	80·9	80·9	79·8	80·8	72·8	·792	·75	499	8·7
	31		·969	·806	·881	91·1	77·6	84·4	78·0	72·0	75·4	14·8	3·3	9·0	83·5	81·9	80·0	80·8	71·7	·766	·67	499	8·4
APRIL 1839.	1	Eq.	·981	·812	·891	91·2	80·4	84·8	81·0	72·4	76·4	15·5	4·9	8·4	84·1	82·9	80·0	80·8	73·1	·801	·69	496	8·6
	2		·945	812	875	90·4	77·2	83·4	80·0	71·5	76·1	12·9	2·2	7·3	82·9	82·7	80·3	80·9	73·2	807	73	498	8·6
	3	●																					
	4		·879	·744	·8[illegible]	90·6	78·4	84·3	80·6	68·6	75·8	13·4	2·3	8·5	83·8	83·1	80·7	81·1	72·3	·783	·69	496	8·3
	5		·890	·763	·817	93·8	77·3	84·3	80·8	75·0	78·4	15·0	1·2	5·9	83·8	83·3	81·0	81·1	76·2	·888	·77	496	9·5
	6		·884	·780	·825	90·2	78·3	83·8	81·8	76·6	78·9	9·7	1·6	4·9	83·4	83·5	81·1	81·1	77·1	·914	·82	496	9·8
	7		·910	·765	·832	89·4	78·0	83·5	81·0	76·0	78·2	9·4	2·0	5·3	83·0	83·3	81·2	81·1	76·2	·887	·80	498	9·5
	8	Gtst. N Dec.	·887	·757	·818	90·4	78·4	84·0	81·0	75·5	78·6	9·6	2·2	5·4	83·5	83·4	81·4	81·3	76·6	·898	·80	496	9·8
	9		·890	·756	·811	91·0	79·0	84·3	81·4	76·2	78·6	10·6	2·4	5·7	83·8	83·5	81·5	81·9	76·5	·897	·79	496	9·8
	10	☽																					
	11		·915	·772	·837	90·0	79·0	84·3	80·4	75·0	77·9	10·7	3·0	6·4	83·7	83·5	81·8	81·6	75·5	·868	·77	497	9·5
	12	P.	·885	·767	·816	91·2	78·0	84·4	80·0	75·0	77·2	13·0	3·0	7·2	83·6	83·4	81·9	81·7	74·4	·838	·74	496	8·8
	13		·871	·755	·796	91·6	78·7	84·5	80·0	74·6	77·3	12·0	3·7	7·2	83·6	23·5	82·0	81·8	74·5	·841	·74	496	9·1
	14	Eq.	·855	·736	·794	91·6	80·6	85·1	80·3	75·6	77·9	11·6	4·0	7·2	84·3	83·8	82·0	81·9	75·1	·856	·73	494	9·1
	15		·855	·758	·805	91·0	77·8	83·8	78·2	75·0	77·0	13·0	2·1	6·8	83·1	83·4	82·1	81·9	74·3	·836	·75	496	8·8
	16		·929	·803	·860	89·4	78·8	83·9	79·0	75·5	76·9	11·6	3·0	7·0	83·2	83·4	82·1	81·9	74·2	·832	·75	497	8·8
	17	○																					
	18		·820	·686	·758	89·4	77·7	83·5	77·4	71·4	74·8	13·0	3·0	8·7	82·8	82·7	82·2	82·1	71·1	·754	·68	496	8·0
	19		·799	·708	·749	90·6	78·0	83·7	78·8	73·2	75·7	13·4	3·4	8·0	83·0	83·0	82·2	82·0	72·5	·788	·71	495	8·6
	20		·833	·721	·774	90·0	77·4	83·3	78·8	74·0	76·4	12·0	3·1	6·9	82·7	82·9	82·2	82·0	73·6	·817	·74	496	8·8
	21	Gtst. S Dec.	·835	·709	·773	88·0	78·7	83·2	80·5	75·5	77·4	8·8	3·0	5·8	82·6	82·9	82·2	82·0	73·2	·860	·78	496	9·1
	22		·823	·693	·765	88·2	78·3	83·2	80·0	75·3	77·6	9·0	2·6	5·6	82·7	82·9	82·2	82·0	75·5	·866	·79	496	9·5
	23																						
	24																						
	25	☽ A.	·773	·627	·704	92·0	80·1	85·7	81·0	76·4	78·7	11·6	3·0	7·0	85.0	83·9	82·4	82·4	76·0	·883	·74	491	9·4
	26		·750	·605	·680	91·2	80·8	86·0	81·0	76·4	78·3	13·9	4·0	7.7	85·3	84·5	82·5	82·5	75·4	·865	·72	491	9·1
	27	●	·734	·588	·665	91·2	80·6	85·8	81·5	77·2	79·4	10·4	3·0	6·4	85·2	84·6	82·6	82·6	77·1	·913	·77	490	9·8
	28	Eq.	·758	·622	·698	97·4	83·0	87·6	83·6	75·0	78·3	18·4	4·0	9·3	86·8	85·4	82·8	82·8	74·9	·846	·68	489	9·1
	29		·781	·662	·720	93·6	82·0	86·2	81·0	74·2	77·6	14·0	3·0	8·6	85·6	85·0	83·0	82·8	74·2	·834	·69	491	8·8
	30		·866	·726	·802	91·6	81·0	85·2	82·6	75·0	79·7	10·0	2·0	5·5	84·9	84·9	83·0	83·1	77·7	·931	·80	494	10·1

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Least.	Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	P. M.
grs.	in.	in.	in.			lb.	lb.	lb.				
2·8	0·244	29·206	none	calm & NW	WNW	0·8	0·0	0·28	weak	3·7	⌒i and ⌒i, motion ESE; drizzling.	⌒i and ⌒i.
2·7	·276	·245	,,	NW&NE	WNW&calm.	0·6	0·0	0·19	,,	1·9	⌒i, motion ESE.	Patches of ⌒i.
2·5	·246	·199	,,	calm NE	NW	0·4	0·0	0·15	,,	0·7	Patches of ⌒i, motion SE.	,,
2·2	·193	·167	,,	calm	NW	0·5	0·0	0·19	,,	1·9	⌒i, motion SE.	Patches of ⌒i.
2·2	·200	·194	,,	,,	,,	0·8	0·0	0·28	none	1·3	⌒i and dew.	Patches of ⌒i, motion SE.
1·8	·176	·135	,,	calm NNW	,,	0·8	0·0	0·33	,,	1·8	⌒i, ⌒i, and dew.	Cloudless.
1·5	·143	·037	,,	NNW	,,	0·8	0·0	0·37	,,	0·5	Dense ⌒i in the morning, moving SE.	Cloudless and dew.
1·6	·147	·041	,,	,,	,,	0·8	0·0	0·40	,,	1·2	A few ⌒i.	⌒i and ⌒i, motion SE.
2·1	·206	·151	,,	N	NNW	0·8	0·0	0·24	,,	1·4	⌒i and dew in the morning.	⌒i after sunset.
3·4	·318	·286	,,	NNW	NNW	0·8	0·0	0·36	weak	..	Misty in hor.	A few ⌒i in the afternoon.
4·6	·439	·342	,,	NNE	NW	1·2	0·0	0·44	,,	..	A few ⌒i in the morning.	Cloudless; light wind.
3·9	·373	·244	,,	N & calm	,,	1·0	0·0	0·32	,,	..	A few ⌒i at sunrise.	,, ,,
2·8	·277	·154	,,	,,	,,	2·2	0·0	0·56	,,	..	,,	⌒i around hor.; light wind.
2·3	·214	·165	,,	NNW	NNW	0·4	0·0	0·17	,,	1·3	⌒i, motion SSE and dew.	Cloudless; moderate wind.
3·8	·361	·155	,,	N&NNE	NW	0·7	0·0	0·21	,,	..	Cloudless and dew.	A few patches of ⌒i at sunset.
1·6	·177	·024	,,	variable	SW	0·6	0·0	0·24	,,	0·6	,,	⌒i about hor., motion N.
1·9	·176	·076	,,	calm	WSW & NW	0·5	0·0	0·11	none	2·6	Dense ⌒i, motion N and dew.	⌒i.
2·9	·275	·152	,,	,,	NNW	1·6	0·0	0·40	,,	4·1	⌒i, motion N.	⌒i and ⌒i, motion NE; light wind.
3·5	·293	·103	,,	N	variable.	0·3	0·0	0·15	,,	3·6	⌒i and ⌒i, motion N.	⌒i; dew; lightning.
1·7	·160	·002	,,	S	WNW & SW	0·5	0·0	0·32	,,	1·9	⌒i, ⌒i, and dew, motion SSE.	⌒i, ⌒i, and ⌒i; lightning, moving N.
2·0	·165	·050	,,	calm & S	NW	0·7	0·0	0·17	,,	1·8	⌒i, ⌒i, and dew, motion ESE.	⌒i and ⌒i; lightning; dew.
2·3	·210	·055	,,	NW&NE	,,	0·8	0·0	0·26	,,	0·3	Cloudless; dew; light misty.	⌒i and a few ⌒i.
2·8	·258	·080	,,	NN & NNE	,,	1·7	0·0	0·55	weak	..	Patches of ⌒i in the morning; dew.	Patches of ⌒i; dew; light wind. [wd.
3·8	·384	·115	,,	NW & SE	variable.	1·0	0·0	0·32	,,	1·8	⌒i and ⌒i, motion NW; misty.	⌒i and ⌒i, motion SSE; lt., th., r., and l.
3·6	·363	·090	none	N & SSE	WNW	1·0	0·0	0·25	none	1·5	⌒i and misty.	⌒i, ⌒i, and ⌒i about hor. lt.; light wind.
3·2	307	·060	0·05	calm	NW&NE	1·0	0·0	0·20	Sp.	2·0	⌒i about hor.; dew, misty.	⌒i and ⌒i; lightning, thunder, light rain, [and light wind.
3·9	·363	·032	none	E & calm	NW	0·8	0·0	0·18	Sp.	2·4	⌒i, motion SW; lightning.	Patches around hor.
2·7	·258	28·992	,,	calm	W	0·2	0·0	0·07	weak	..	A few patches in the morning, dew, misty.	A few patches; dew.
2·4	·215	·911	,,	,,	SW	0·3	0·0	0·10	,,	1·4	⌒i, motion SE; dew.	A few around hor.; dew.
2·3	·231	·945	,,	SE	WSW	0·5	0·0	0·18	,,	1·6	⌒i and ⌒i, motion NW; dew.	⌒i at sunset; patches; dew.
2·4	·238	·920	,,	S	WSW & calm	0·5	0·0	0·19	none	0·5	⌒i in the morning, motion W; dew.	Patches and dew.
2·4	·249	·914	,,	S & E	W	0·3	0·0	0·10	weak	..	Patches, motion W; dew.	Patches before sunset; dew.
2·7	·278	·969	,,	S	NW	0·9	0·0	0·25	,,	0·2	Patches of ⌒i, motion N.	A few patches in hor.
3·4	·312	·978	,,	calm & S	WSW	0·4	0·0	0·12	,,	..	Patches in the morning, motion N.	Cloudless.
3·1	·312	·955	,,	calm & SW	SW	0·5	0·0	0·13	v. weak	1·2	⌒i and ⌒i, motion N.	⌒i around hor., motion N.
3·4	·322	·938	,,	WSW	WSW	0·3	0·0	0·14	,,	2·2	⌒i, motion NE.	⌒i, motion E after 8 P. M.
3·4	·295	·969	,,	calm	WNW	0·5	0·0	0·18	None	1·2	⌒i around hor., motion S; dew.	Patches of ⌒i, around hor. [wind.
3·4	·300	29·028	,,	NW&NE	NW	1·5	0·0	0·32	,,	2·2	Dense ⌒i, motion S.	Patches of ⌒i, motion N about hor.; light
4·2	·364	·004	,,	NE	NNW	1·5	0·0	0·38	,,	..	Cloudless.	A few ⌒i before sunset, light wind.
3·6	·337	28·961	,,	ENE & NW	WNW	0·3	0·0	0·18	v. weak	..	,,	Cloudless.
3·0	·294	·957	,,	NW&NE	NW	0·6	0·0	0·19	,,	0·8	⌒i in the morning, motion SE.	⌒i before sunset.
2·7	·248	·913	,,	NW	,,	1·3	0·0	0·39	,,	1·3	⌒i and ⌒i, motion SSE.	⌒i and ⌒i; lightning; light wind.
2·3	·242	·899	,,	calm & NW	,,	1·5	0·0	0·53	none	2·5	⌒i and ⌒i, motion W.	Dense ⌒i, motion N; light wind.
3·5	·314	·821	,,	NNW	NNW	2·0	0·0	0·73	,,	2·0	⌒i, motion W.	A few ⌒i at 5 P. M., moderate wind.
3·8	·344	·815	,,	NW	,,	2·5	0·0	0·79	,,	0·8	Patches of ⌒i in the morning, motion N.	⌒i and ⌒i, motion NW; moderate wind.
3·1	·288	·752	,,	calm & NNW	NW	2·0	0·0	0·48	,,	2·7	⌒i, motion NW; dew.	⌒i, ⌒i, and ⌒i; lightning; moderate wd.
4·6	·424	·852	,,	variable.	,,	1·5	0·0	0·37	Sp.	2·6	⌒i, motion SW; lightning.	⌒i and ⌒i; lightning; thunder; light rain.
4·1	·382	·886	,,	,,	,,	0·6	0·0	0·14	none	5·9	⌒i, motion NW.	⌒i and ⌒i, motion N.
2·4	·247	·871	0·01	calm & SSW	SSW	0·6	0·0	0·15	Sp.	2·8	⌒i and ⌒i, motion N; thunder; drizzling.	⌒i and ⌒i, motion N; lightning; rainbow.

TABLE III.—*Showing, in the Months of May and June, the Mean Daily Value of*

Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
					Thermometer in External and Free Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
		Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 20 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
		in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
MAY 1859.																						
1																						
2		29·945	29·821	29·878	91·4	79·2	84·6	81·0	74·0	77·9	11·0	3·0	6·7	84·0	84·1	83·1	83·1	75·3	0·863	0·75	495	9·1
3	●	·926	·827	·877	91·4	80·0	85·1	80·6	76·0	78·2	11·5	3·4	6·9	84·4	84·4	83·2	83·1	75·5	·869	·74	495	9·4
4		·924	·825	·876	91·2	78·6	84·5	80·5	75·5	77·9	11·1	3 0	6·5	84·0	84·2	83·3	83·1	75·5	·868	·75	497	9·4
5	Gtst. N Dec.	·910	·798	·853	90·1	79·2	84·1	81·0	76·2	78·4	9·1	3·0	5·7	83·7	84·1	83·4	83·2	76·3	·889	·78	497	9·5
6		·873	·763	·824	89·0	78·8	83·9	81·0	76·0	78·3	9·4	2·6	5·6	83·5	83·9	83·3	83·2	76·2	·887	·78	496	9·5
7	P.	·852	·761	·814	81·2	78·4	84·4	80·0	74·8	77·4	11·7	3·2	7·0	83·9	83·8	83·3	83·2	74·7	·845	·74	496	9·1
8																						
9	☽	·908	·810	·857	90·1	80·2	84·7	78·4	75·4	76·9	13·0	4·7	7·8	84·1	84·1	83·4	83·2	73·8	·821	·71	495	8·8
10		·930	·827	·869	89·3	80·6	84·4	79·0	76·0	77·7	11·1	4·0	6·7	84·0	84·1	83·4	83·2	75·1	·856	·75	497	9·1
11	Eq.	·874	·769	·823	89·6	80·4	84·	79·0	76·0	77·8	10·6	3·6	6·6	84·0	84·0	83·4	83·3	75·2	·859	·75	496	9·1
12		·824	·715	·771	89·4	80·8	84·6	79·5	76·5	77·9	10·4	4·0	6·7	84·2	84·2	83·4	83·3	75·3	·862	·75	493	9·1
13		·821	·718	·770	88·6	80·6	84·1	80·0	76·6	78·2	9·0	3·1	5·9	83·7	84·1	83·4	83·3	76·0	·881	·77	495	9·5
14		·856	·751	·794	88·6	80·5	84·1	79·4	76·2	78·0	9·6	3.0	6·1	83·6	84·0	83·5	83·4	75·6	·872	·77	496	9·5
15																						
16		·845	·753	·797	90·0	80·8	84·6	80·5	76·5	78·2	10·6	3·6	6·4	84·1	84·1	83·5	83·5	75·9	·875	·76	494	9·5
17	○	·814	·716	·76·	88·7	80·0	84·3	81·2	76·5	79·1	8·7	2·4	5·2	83·9	84·2	83·7	83·6	77·3	·816	·80	495	9·8
18	Gtst. S Dec.	·807	·730	·766	90·8	80·4	84·9	81·6	77·6	79·7	9·4	2·4	5·2	84·4	84·4	83·6	83·9	77·8	·934	·80	493	10·1
19		·819	·697	·749	92·0	80·2	85·6	81·5	77·2	79·5	11·2	2·8	6·1	84·8	84·7	83·7	84·0	77·3	·919	·77	492	9·8
20		·789	·668	·727	92·3	81·0	85·7	81·0	78·0	79·4	11·3	2·6	6·3	85·0	84·8	84·0	84·2	77·1	·913	·76	491	9·8
21		·793	·695	·740	92·4	81·2	86·3	81·1	77·0	78·9	11·7	3·5	7·4	85·6	85·1	84·0	84·2	76·6	·889	·73	492	9·7
22	A.																					
23		·824	·761	·788	91·6	80·8	85·8	80·0	75·6	77·8	11·8	5·2	8·0	85·1	84·8	84·2	84·3	74.7	·845	·70	493	9·1
24																						
25	☾	·816	·729	·771	92·0	80·7	86·2	81·0	76·4	78·6	12·1	4·0	7·6	85·5	85·1	84·4	84·5	75·8	·875	·72	492	9·4
26	Eq.	·789	·683	·740	91·2	82·2	85·8	81·0	77·4	79·4	10·2	3·6	6·4	85·4	85·3	84·4	84·5	77·0	·912	·76	492	9·8
27		·810	·677	·747	92·0	81·7	86·5	82·0	78·3	80·2	10·3	3·0	6·3	85·9	85·6	84·4	84·5	77·9	·938	·77	492	10·0
28		·800	·715	·748	92·2	83·3	87·0	83·0	80·0	81·0	10·0	3·0	6·0	86·4	85·9	84·4	84·6	78·9	·968	·78	491	10·4
29		·795	·651	·724	92·0	83·6	87·1	82·0	79·8	80·8	10·0	3·0	6·3	86·5	86·1	84·5	84·7	78·6	·958	·77	490	10·3
30																						
31		·703	·595	·649	95·2	82·5	87·8	84·0	75·7	80·5	11·9	4·0	7·3	87·2	86·5	84·6	84·8	77·9	·937	·73	488	0·01
JUNE 1859.																						
1	●	·718	·540	·624	93·4	83·0	88·0	83·5	79·3	82·0	11·0	3·0	6·0	87·5	87·0	84·7	84·8	80·0	1·000	·78	487	10·6
2	Gtst. N Dec.	·694	·534	·604	94·8	79·6	87·4	83·8	74·8	80·8	11·8	2·9	6·6	86·8	87·0	84·9	84·9	78·5	0·955	·76	488	10·3
3	P.	·720	·573	·647	90·0	80·8	85·3	83·0	77·0	80·3	9·0	1·8	5·0	85·2	85·9	85·0	84·9	78·5	·956	·81	491	10·4
4		·714	·622	·663	94·0	82·0	87·4	84·0	78·0	80·7	12·0	3·0	6·7	86·3	86·3	85·1	84·9	78·3	·950	·75	489	10·0
5																						
6	☿	·710	·617	·658	84·8	76·3	81·2	80·2	75·0	78·2	6·3	0·6	3·0	81·4	83·5	85·1	84·9	77·1	·912	·88	496	9·8
7	Eq.	·718	·622	·660	82·6	76·4	78·6	80·5	76·2	77·4	4·1	0·0	1·2	78·7	82·4	85·0	84·9	76·9	·909	·95	499	9·9
8	☽	·680	·576	·635	85·0	75·8	79·3	81·0	75·2	78·1	4·5	0·0	1·2	79·5	81·7	84·7	84·8	77·6	·929	·95	499	10·2
9		·639	·524	·592	87·4	77·4	82·4	82·6	76·8	79·9	5·2	0·4	2·5	82·3	82·6	74·6	84·8	79·0	·971	·90	494	10·4
10		·637	·544	·688	89·0	79·4	83·6	83·0	78·0	80·0	6·5	0·4	3·6	83·5	83·6	84·2	84·8	78·7	·962	·86	492	10·4
11		·644	·532	·597	83·4	76·9	81·0	82·2	76·9	79·8	3·0	0·0	1·2	81·3	83·2	84·0	84·8	79·4	·982	·95	495	10·5
12																						
13		·621	·616	·558	86.6	77·2	81·9	82·8	77·2	79·7	4·7	0·0	2·2	81·6	82·3	83·9	84·8	78·9	·968	·91	493	10·4
14	Gtst. S Dec.	·604	·543	·572	88·0	80·0	83·6	81·8	78·3	79·9	6·2	1·0	3·7	83·4	83·3	83·8	84·8	78·6	·958	·85	491	10·4
15	○	·642	·546	·603	89·0	81·7	84·8	83·8	78·5	80·9	6·5	2·4	3·9	84·5	84·1	83·7	84·8	77·6	·988	·85	490	10·7
16		·677	·581	·630	89·6	82·4	85·0	84·2	79·6	81·0	7·1	2·4	4·0	84·7	84·5	83·7	84·8	79·6	·989	·84	491	10·7
17		·718	·628	·683	90·6	81·6	85·3	83·7	78·0	80·7	7·6	2·6	4·6	84·9	84·7	83·9	84·9	79·1	·973	·82	492	10·4
18		·763	·680	·723	91·0	81·6	84·4	83·4	78·0	80·5	8·4	1·4	3·7	84·3	84·7	84·1	85·0	79·2	·975	·85	494	10·4
19	A.																					
20		·690	·628	·665	90·0	82·0	85·0	81·6	77·6	79·5	8·8	4·0	5·5	84·7	84·8	84·3	85·2	77·5	·925	·79	491	10·1
21		·747	·642	·699	90·2	81·6	84·9	82·8	78·3	80·0	8·4	3·0	4·9	84·7	84·8	84·4	85·2	78·3	·948	·83	492	10·1
22	Eq.	·771	·693	·738	90·8	81·7	85·4	83·0	77·6	80·1	8·2	3·0	5·3	85·0	85·0	84·3	85·1	78·2	·946	·80	493	10·1
23	☾	·755	·693	·721	90·2	82·2	85·0	82·0	78·5	79·8	8·6	3·3	5·2	84·7	84·6	84·3	85·1	77·9	·938	·80	492	10·1
24		·765	·677	·724	88·0	82·2	84·3	81·5	78·1	79·5	6·5	3·4	4·8	84·2	84·8	84·4	85·2	77·8	·935	·82	494	10·1
25		·778	·705	·743	89·6	80·0	84·5	82·4	77·4	80·0	7·4	1·4	4·5	84·3	84·8	84·4	85·2	78·4	·952	·83	493	10·1
26																						
27		·762	·700	·733	90·0	81·8	84·4	82·7	77·8	79·7	8·2	2·8	4·7	84·2	84·7	84·4	85·2	78·0	·941	·82	495	10·1
28		·754	·683	·713	89·2	81·2	84·4	82·0	77·4	79·8	9·0	2·2	4·6	84·3	84·6	84·4	85·2	78·2	·946	·82	494	10·1
29	Gtst. N Dec.	·749	·677	·717	90·6	81·2	84·8	83·3	78·3	80·6	7·8	2·0	4·2	84·6	84·8	84·5	85·2	79·1	·973	·83	492	10·4
30	●	·759	·690	·723	91·0	81·1	85·3	83·7	78·1	80·6	8·2	2·4	4·7	85·1	85·0	84·5	85·2	79·0	·970	·82	492	10·4

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Wind. From in Pounds on a square foot. Greatest.	Least.	Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs	in.	in.	in.			lb.	lb.	lb.				
3·4	0·294	29·015	none	SE	WNW	0·3	0·0	0·14	none	1·7	⌒ı, motion variable.	⌒ı, motion SE.
3·1	·306	·008	,,	calm	W	0·2	0·0	0·07	,,	0·7	Patches, motion NE.	Patches in hor.
2·8	·285	·008	,,	,,	WNW	0·3	0·0	0·13	,,	1·0	⌒i, motion SE.	Patches about hor.
2·7	·250	28·964	,,	,,	NW	1·2	0·0	0·30	weak	1·0	⌒ı, motion SW.	A few patches in hor.; moderate wind.
2·7	·245	·937	,,	NW	,,	0·8	0·0	0·33	,,	..	A few patches in hor.	A few patches in hor.
3·1	·305	·969	,,	calm & NW	WNW	0·3	0·0	0·12	none	1·8	⌒ı about hor., motion SE.	⌒ı about hor., motion E.
3·7	·339	29·036	,,	NW	NW	0·6	0·0	0·26	,,	2·2	⌒ı about hor., motion SE.	⌒ı, motion SE.
3·1	·294	·013	,,	,,	,,	0·8	0·0	0·23	,,	2·5	,, ,,	,,
3·1	·291	28·964	,,	,,	,,	0·8	0·1	0·35	weak	3·5	,, ,,	⌒ı, motion SE; light wind.
3·4	·295	·909	,,	NNW	,,	1·2	0·1	0·43	none	2·5	,, ,,	,, ,,
2·7	·258	·889	,,	,,	,,	2·0	0·0	0·69	mod.	2·2	,, ,,	,, ,,
2·7	·267	·922	,,	,,	,,	1·2	0·1	0·44	none	2·4	,, ,,	Patches about hor., motion SE; light wind.
3·0	·282	·922	,,	NW	,,	0·8	0·0	0·33	,,	2·9	⌒ı, motion ESE.	⌒ı about hor., motion SE; light wind.
2·4	·230	·852	,,	NNW	,,	1·0	0·0	0·40	,,	2·5	⌒ı, motion SE.	,, ,, ,,
2·4	·233	·832	,,	,,	WNW	0·8	0·0	0·23	,,	2·6	⌒i and ⌒i.	⌒i, motion SE; light wind.
3·1	·274	·830	,,	variable	NW	0·4	0·0	0·15	,,	1·8	⌒ı, motion SE.	⌒i, motion SE.
3·1	·284	·814	,,	NW & WSW	WNW	0·4	0·0	0·13	,,	2·3	⌒i, ⌒i, and ⌒i, motion SE.	⌒i and ⌒i motion E; lightning.
3·2	·331	·851	,,	calm	W & WNW	0·3	0·0	0·12	,,	2·2	⌒ı, motion ENE.	⌒i, ⌒i, and ⌒ı.
3·8	·356	·943	,,	,,	W	0·2	0·0	0·09	,,	3·5	⌒i and ⌒i.	⌒i and ⌒i, motion E.
3·5	·341	·896	,,	,,	WNW	0·3	0·0	0·13	,,	2·3	⌒i and ⌒i, motion E.	⌒i and ⌒i, motion E.
3·1	·289	·828	,,	NW	NW	0·8	0·1	0·38	,,	1·0	⌒ı, motion SE.	⌒i about hor., motion SE; light wind.
2·9	·290	·809	,,	NW & SE	WNW	0·6	0·0	0·23	,,	3·1		⌒i, ⌒i, and ⌒i, motion SE; lightning.
2·9	·279	·780	,,	N&NNW	W & SW	0·6	0·1	0·23	,,	5·8	⌒ı, ⌒ı, and ⌒i, motion ESE.	⌒i, ⌒ı, and ⌒ı, motion ENE; lightning.
3·0	·293	·766	,,	calm & W	NW	0·4	0·0	0·09	,,	3·8	⌒ı and ⌒ı, motion NE.	⌒i, ⌒i, and ⌒ı, motion E; lightning.
3·7	·341	·712	,,	S & calm	WNW & SW	0·4	0·0	0·15	weak	3·5	⌒i and ⌒i, motion W.	⌒i, ⌒i, and ⌒ı, motion W; lightning.
3·1	·286	·624	0·00	SW	W & SW	1·0	0.0	0·36	weak	3·5	⌒i, ⌒i, and ⌒i; lightning; drops of rain.	⌒i, ⌒i, ⌒ı, and ⌒i; lightning. [rain.
3·0	·307	·649	0·04	S	SSW	7·0	0·0	1·40	Sp.	4·2	⌒ı, ⌒i, and ⌒i, lightning and rain.	⌒i, ⌒i, ⌒i, and ⌒ı; lightning, thunder, and
2·1	·226	·691	0·00	S & SE	,,	10.5	0·5	2·92	weak	4·8	⌒ı, motion N; lightning.	⌒i, ⌒i, ⌒ı, and ⌒i; lightning; drops of
3·3	·312	·713	0·00	S	SW	1·8	0·1	0·51	none	4·2	⌒ı, ⌒i, and ⌒i, motion N.	⌒i, ⌒i, ⌒i, and ⌒ı, motion NE. [rain.
			2·27									
1·3	·128	·746	1·23	calm.	WNW	0·6	0·0	0·18	weak	7·7	⌒ı, motion S; lightning and rain.	⌒ı, motion E.
1·6	·049	·751	4·55	NW	SSW	3·3	0·0	0·44	S	8·0	⌒ı, motion SE; lightning and rain.	⌒ı, motion E; rain.
1·3	·050	·706	3·70	SE	SW	0·4	0·0	0·17	Sp.	7·8	⌒ı, motion NE; lightning, thunder, and rain.	⌒ı, ⌒i, and ⌒i; rain.
1·1	·109	·621	0·06	SSE	S	2·5	0·0	0·55	none	7·2	⌒ı and ⌒i, motion N; rain.	⌒i, ⌒i, and ⌒ı; rain.
1·8	·159	·626	0·28	S	,,	2·0	0·2	0·72	,,	5·7	,, ,, ,,	,, ,, [rain.
0·6	·052	·615	4·23	,,	SW	2·3	0·0	0·43	S	7·7	⌒ı, motion N; rain.	⌒ı, ⌒i, and ⌒i; lightning, thunder, and
			8·20									
1·1	·095	·590	1·68	WSW	,,	2·5	0·0	0·92	none	8·0	⌒ı and ⌒i, motion NE; rain.	⌒ı, motion NE; rain.
1·8	·163	·614	0·02	SW	,,	1·8	0·2	0·75	,,	8·0	⌒ı, motion NE; rain.	⌒ı, ⌒i, and ⌒i, motion NE; rain.
1·8	·176	·615	0·04	SSW	,,	1·2	0·2	0·54	,,	7·3	⌒ı and ⌒i, motion NE; rain.	⌒ı, ⌒i, and ⌒i, motion NE.
1·8	·182	·641	0·04	SW	,,	1·3	0·2	0·62	,,	7·2	,, ,, ,,	,, ,,
2·1	·209	·710	0·00	,,	,,	0·6	0·2	0·38	,,	5·5	⌒ı, ⌒i, and ⌒i, motion NE.	⌒ı, ⌒i, and ⌒i; drizzling rain.
1·8	·175	·748	0·05	,,	,,	0·6	0·1	0·35	S	6·4	⌒ı, ⌒i, and ⌒i, motion NE; light rain.	⌒ı, ⌒i, and ⌒i; light rain.
			0·00									
2·4	·246	·740	0·00	WSW	,,	2·0	0·3	0·73	none	4·9	⌒ı, motion NE; light rain.	⌒ı and ⌒i; light rain.
2·4	·219	·751	0·04	,,	,,	0·8	0·3	0·45	,,	6·4	⌒ı and ⌒i, light rain.	⌒ı, ⌒i, and ⌒i, motion NE.
2·4	·240	·792	0·00	,,	,,	0·5	0·1	0·29	,,	4·2	⌒ı and ⌒i, motion NE.	⌒ı, ⌒i, and ⌒i; drops of rain.
2·4	·232	·783	0·00	SW	,,	1·5	0·2	0·46	,,	6·5	⌒ı, ⌒i, and ⌒i; lunar-halo.	⌒ı, ⌒i, and ⌒i; drops of rain.
2·1	·211	·789	0·00	,,	,,	0·7	0·1	0·40	weak	7·1	⌒ı and ⌒i, motion NE.	⌒ı, ⌒i, and ⌒i, motion NE.
2·4	·201	·791	0·31	,,	,,	0·5	0·2	0·25	none	5·5	⌒ı, ⌒i, and ⌒i, motion NE; light rain.	⌒ı and ⌒i, motion NE.
			0·00									
2·1	·209	·792	0·02	,,	,,	0·6	0·2	0·39	,,	4·9	⌒ı and ⌒i, motion NE; drops of rain.	⌒ı and ⌒i, motion NE; light rain.
2·1	·204	·767	0·07	,,	,,	0·8	0·1	0·27	,,	5·6	⌒ı and ⌒i, motion NE; light rain.	⌒ı and ⌒i, motion NE; light rain.
2·1	·191	·744	0·02	,,	,,	0·3	0·0	0·16	,,	4·5	⌒ı, motion NE; drops of rain.	⌒ı, motion NE; light rain.
2·1	·212	·755	0·02	W	,,	0·3	0·1	0·17	,,	4·9	,, ,,	,, ,,

TABLE IV.—*Showing, in the Months of July and August, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Free Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.											
			Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 30 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
JULY 1859.	1		29·752	29·693	29·727	91·2	81·6	85·3	83·0	78·3	80·4	9·6	2·0	4·9	85·0	85·1	84·5	85·2	78·6	0·959	0·81	492	10·4
	2		·771	·709	·742	91·0	81·0	84·7	83·0	78·3	80·2	8·0	2·0	4·5	84·6	85·0	84·5	85·2	78·6	·957	·83	493	10·4
	3																						
	4		·764	·678	·722	90·6	80·8	84·9	81·6	78·0	79·6	10·0	2·5	5·3	84·6	84·9	84·5	85·2	77·6	·929	·80	492	10·1
	5	Eq.	·795	·707	·751	89·0	80·0	84·5	81·8	78·4	80·0	7·4	1·6	4·4	84·3	84·9	84·5	85·2	78·5	·954	·83	495	10·4
	6		·768	·665	·718	92·0	81·8	86·0	82·0	78·8	80·2	10·0	2·8	5·8	85·6	85·3	84·6	85·3	78·1	·943	·78	491	10·1
	7	☾	·749	·663	·700	92·4	82·0	86·5	82·8	77·5	80·2	9·6	3·2	6·1	85·8	85·5	84·6	85·4	78·0	·940	·77	491	10·0
	8		·727	·633	·684	90·7	81·6	85·8	82·0	78·8	80·3	9·0	2·3	5·5	85·5	85·6	84·6	85·4	78·4	·952	·79	491	10·1
	9		·721	·636	·684	90·6	80·8	85·7	82·8	79·0	80·8	8·3	1·0	4·9	85·4	85·5	84·6	85·4	79·1	·973	·81	491	10·4
	10																						
	11		·672	·581	·640	90·6	79·0	83·4	14·3	78·0	80·8	6·3	0·2	2·6	83·2	84·9	84·8	85·4	79·9	·997	·90	494	10·7
	12	Gtst. S Dec.	·679	·570	·630	90·0	79·4	84·7	84·3	79·0	81·7	6·2	0·4	3·0	84·3	84·7	85·0	85·5	80·7	1·025	·89	491	11·0
	13		·674	·575	·630	90·0	79·0	83·8	84·2	78·4	81·4	6·0	0·3	2·4	83·7	85·0	85·0	85·5	80·5	·017	·90	493	11·0
	14		·607	·492	·557	90·2	79·8	84·8	85·8	78·8	82·1	5·0	1·0	2·7	84·5	84·9	84·8	85·3	81·2	·040	·89	489	11·0
	15	○	·603	·486	·560	89·6	79·6	83·8	83·9	79·4	81·8	6·6	0·0	2·0	83·9	84·9	84·7	85·1	81·0	·035	·92	491	11·1
	16	A.	·564	·437	·507	88·8	77·7	82·6	84·0	77·8	81·0	5·0	0·0	1·6	82·5	84·5	84·7	85·1	80·5	·016	·94	491	11·1
	17																						
	18		·652	·557	·599	80·0	77·4	78·8	79·9	77·0	78·4	1·3	0·0	0·4	79·0	81·7	84·6	85·4	78·2	0·945	·98	498	10·2
	19	Eq.	·671	·589	·634	81·9	76·6	78·0	80·7	76·2	77·7	1·6	0·0	0·3	78·3	81·2	84·6	85·7	77·6	·928	·99	501	10·2
	20		·619	·529	·576	81·2	75·4	79·0	80·2	75·2	78·6	1·5	0·0	0·4	79·1	81·2	84·5	85·7	78·4	·951	·98	497	10·2
	21		·539	·475	·509	83·2	76·9	80·4	81·2	76·3	78·9	2·4	0·2	1·5	80·4	82·2	84·3	85·7	78·4	·953	·94	494	10·2
	22		·527	·453	·492	81·3	76·8	79·6	79·0	76·6	78·2	2·7	0·0	1·4	79·7	81·9	84·1	85·7	77·7	·931	·94	494	10·2
	23	☽	·580	·489	·538	82·0	78·1	79·8	78·3	76·2	78·1	3·0	0·3	1·7	79·9	81·9	83·9	85·6	77·4	·922	·93	495	9·9
	24																						
	25		·654	·733	·592	85·4	78·8	81·5	80·3	76·7	78·4	5·2	0·8	3·1	81·4	82·4	83·7	85·4	77·2	·915	·87	494	9·8
	26	Gtst. N Dec.	·659	·559	·611	82·5	77·5	79·7	82·5	77·5	77·9	3·1	0·7	1·8	79·9	82·0	83·6	85·4	77·2	·915	·93	496	9·9
	27		·660	·578	·625	82·5	77·0	79·7	79·4	76·4	78·0	3·4	0·2	1·7	79·8	81·7	83·5	85·4	77·3	·919	·93	496	9·9
	28																						
	29		·678	·601	·688	84·6	78·3	81·0	81·0	76·0	78·4	4·0	1·4	2·6	81·0	82·0	83·3	85·2	77·7	·921	·89	496	10·1
	30	● P.	·686	·593	·643	81·7	77·2	79·6	79·0	75·2	77·5	3·6	0·2	2·1	79·8	81·6	83·2	85·1	76·7	·902	·91	497	9·9
	31																						
AUGUST 1859.	1	Eq.	·766	·650	·707	83·2	79·0	80·4	79·9	77·0	77·8	5·6	1·0	2·6	80·4	81·7	83·2	85·1	76·8	·906	·89	498	9·8
	2		·794	·724	·756	81·6	77·6	79·5	79·0	76·1	77·2	4·0	0·6	2·3	79·5	81·4	83·1	85·1	76·3	·891	·90	501	9·5
	3		·836	·733	·789	85·6	78·2	81·0	81·2	76·4	77·8	6·8	1·4	3·2	80·9	81·6	83·0	85·0	76·6	·898	·87	499	9·8
	4		·847	·756	·800	86·2	78·0	80·5	80·6	74·6	77·4	7·0	1·0	3·1	80·5	81·7	83·0	85·0	76·2	·887	·87	499	9·5
	5	☽	·845	·767	·811	85·2	78·8	81·1	79·4	75·4	77·5	6·2	2·0	3·6	80·9	81·7	83·0	85·0	76·1	·885	·86	499	9·5
	6		·845	·777	·811	85·8	78·2	80·7	80·3	76·0	77·5	6·2	1·2	3·2	80·5	81·7	83·0	85·0	76·3	·890	·87	499	9·5
	7																						
	8	Gtst. S Dec.	·918	·811	·856	86·4	78·2	81·6	79·4	76·0	77·4	7·4	1·7	4·2	81·1	81·9	83·0	85·0	75·8	·876	·84	499	9·5
	9		·865	·761	·812	87·5	77·5	81·9	79·3	75·0	77·3	8·4	1·5	4·6	81·4	81·9	82·9	84·9	75·5	·868	·82	498	9·5
	10		·862	·763	·814	86·4	78·3	81·6	79·0	75·7	77·1	8·4	2·2	4·5	81·3	81·9	82·8	84·9	75·4	·864	·82	498	9·2
	11		·854	·781	·811	86·4	78·0	81·6	79·2	74·8	76·6	7·5	2·8	5·0	81·1	81·8	82·8	85·0	74·6	·844	·80	498	9·2
	12	A.	·797	·734	·766	87·5	78·2	81·3	79·0	75·0	76·5	8·9	3·0	4·8	81·3	81·7	82·8	84·9	74·6	·844	·81	498	9·2
	13	○																					
	14																						
	15	Eq.	·776	·690	·732	87·6	78·0	82·2	80·2	76·0	78·0	7·4	1·5	4·2	81·6	81·7	82·8	84·8	76·4	·893	·84	497	9·5
	16		·777	·668	·724	85·3	79·0	81·3	79·5	76·5	77·6	6·3	2·2	3·7	81·1	81·8	82·8	84·8	76·1	·886	·85	497	9·5
	17		·733	·647	·686	86·7	77·9	81·3	79·6	75·9	77·5	7·4	1·1	3·8	81·1	81·8	82·7	84·7	76·0	·883	·85	497	9·5
	18		·702	·630	·663	87·0	76·6	81·5	80·5	75·8	77·9	7·0	0·8	3·6	81·2	81·9	82·5	84·4	76·5	·896	·87	495	9·8
	19		·723	·649	·682	87·4	77·8	81·9	80·8	76·0	78·5	6·6	0·8	3·4	81·5	81·9	82·4	84·4	77·3	·918	·87	496	9·8
	20		·751	·660	·709	86·6	79·2	82·2	81·0	77·0	78·5	6·6	1·5	3·7	81·7	82·1	82·4	84·4	77·1	·914	·85	496	9·8
	21	☾																					
	22	Gtst. N Dec.	·761	·636	·701	84·4	77·7	80·1	81·0	76·2	78·4	3·4	0·3	1·7	80·1	81·3	82·4	84·4	77·7	·932	·93	498	10·2
	23		·743	·633	·690	79·8	77·2	78·6	79·6	76·2	77·5	2·2	0·0	1·1	78·5	80·9	82·4	84·4	77·1	·913	·95	500	9·9
	24		·756	·665	·707	78·3	74·8	76·7	77·0	74·4	75·8	2·0	0·0	0·9	76·7	80·0	82·4	84·4	75·4	·866	·96	503	9·3
	25		·734	·645	·688	78·8	76·0	77·5	77·2	75·3	76·5	2·0	0·2	1·0	77·4	79·7	82·4	84·3	76·1	·884	·96	503	9·6
	26		·684	·584	·640	78·6	75·3	77·1	77·5	75·0	76·5	1·8	0·3	0·6	77·2	79·4	82·4	84·3	76·2	·890	·97	502	9·6
	27	P.	·707	·616	·657	80·1	75·8	77·5	79·0	75·5	77·0	1·4	0·0	0·5	77·7	79·5	82·4	84·3	76·9	·906	·98	502	9·9
	28	● Eq.	·714	·616	·665	82·8	77·5	79·7	79·4	76·1	77·6	3·5	0·6	2·1	79·6	80·0	82·2	84·3	77·0	·910	·91	497	9·9
	29																						
	30		·708	·614	·659	85·0	77·4	80·4	81·0	76·0	78·2	4·7	0·3	2·2	80·1	80·1	82·0	84·1	77·3	·920	·91	497	9·8
	31		·709	·630	·667	85·4	78·3	86·0	80·4	76·4	78·1	5·4	1·3	2·9	80·7	80·9	82·0	84·1	77·0	·911	·88	496	9·8

all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Force in Pounds on a square foot. Least.	Force in Pounds on a square foot. Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	lb.				
2·1	0·223	28·767	0·00	SW	WSW	0·4	0·0	0·20	none	5·0	Ni, motion NE.	Ni, Ni, and Ni.
2·1	·203	·784	0·19	,,	,,	0·7	0·0	0·14	,,	3·8	Ni, motion NE; light rain.	Ni; light rain and rainbow.
			0·00	calm	NW							
2·4	·238	·793	0·00	,,	,,	0·3	0·0	0·11	,,	6·3	Ni and Si, motion NE.	Ni and Si, motion E; lightning.
1·8	·199	·797	0·09	variable	,,	0·3	0·0	0·13	weak	7·2	Ni and Si, lightning, thunder, and rain.	Ni and Si, motion E.
2·8	·266	·775	0·00	NW	,,	0·3	0·0	0·12	none	5·0	Ni and Si, motion E.	,, ,,
2·9	·280	·759	0·00	calm	W	0·3	0·0	0·09	,,	4·5	,, ,,	Ni, Ni, and Si, motion E; drops of rain.
2·8	·249	·731	0·05	NW	NW	0·4	0·0	0·17	,,	5·9	Ni and Si, motion E; light rain.	Ni and Si, motion E.
2·5	·224	·711	0·22	variable.	WNW	0·3	0·0	0·12	,,	6·3	Ni and Si, motion ESE; lightning and light rain.	Ni and Si.
			0·75									
1·1	·117	·641	1·94	calm	variable.	0·4	0·0	0·12	Sp.	6·6	Ni and Si, lightning, thunder, and light rain.	Ni and Si, lightning, thunder, and light rain.
1·5	·135	·603	0·00	SE	WNW	0·3	0·0	0·12	,,	5·7	Ni and Ni, motion NW.	Ni, Ni, and Si; lt., th., and light rain.
1·2	·112	·611	1·22	NE	NW & ENE	0·3	0·0	0·11	,,	6·3	Ni and Si, lightning, thunder, light rain, and rainbow.	,, ,,
1·5	·124	·514	0·00	ENE	NW	0·6	0·0	0·19	,,	7·4	Ni, Ni, and Si; lightning.	,, ,,
1·1	·094	·524	0·19	calm	SSW & SSE	0·3	0·0	0·08	,,	7·8	Ni, Ni, and Si; lightning, thunder, and light rain.	,, ,,
0·7	·071	·489	5·98	SSE	variable.	1·4	0·0	1·31	,,	6·8	Ni, Ni, and Si; lightning.	,, ,,
			3·72									
0·3	·019	·653	1·87	WSW	SW	4·0	0·4	1·53	none	8·0	Ni, motion E; lightning, thunder, and light rain.	Ni; light rain.
0·0	·012	·705	3·96	SW & NW	WSW	3·5	0·1	1·21	,,	8·0	Ni, motion NE; light rain.	Ni, motion NE; light rain.
0·3	·019	·624	3·39	SW	,,	5·0	0·1	1·47	,,	7·9	,, ,,	Ni, motion E; light rain.
0·6	·061	·556	0·89	WSW	,,	6·5	0·8	3·03	,,	7·8	,, ,,	Ni, motion NE; light rain.
0·6	·058	·560	1·63	,,	,,	6·8	1·8	4·29	,,	8·0	,, ,,	,, ,,
0·9	·073	·616	0·74	,,	,,	6·3	1·3	3·38	,,	8·0	Ni, motion E; light rain.	,, ,,
			0·06									
1·7	·135	·677	0·02	,,	SW	3·0	1·0	1·71	,,	7·1	Ni, motion NE; light rain.	Ni, motion E; light rain.
0·9	.077	·696	0·76	SW	W	5·0	0·7	2·70	,,	7·6	,, ,,	Ni, motion ENE; light rain.
0·9	·073	·705	1·04	,,	WSW	2·3	0·3	1·34	,,	7·9	Ni, motion E; light rain.	Ni, motion E; light rain.
			0·08									
1·0	·113	·717	0·02	W	SW	2·0	0·1	0·73	,,	7·7	Ni, motion ENE.	Ni, motion NE; drizzling.
0·9	·087	·741	0·03	SW	,,	3·0	0·2	1·04	,,	7·5	Ni, motion NE; drizzling.	,, ,,
			0·06									
1·0	·108	·801	0·01	SW	SW & WSW	0·8	0·1	0·32	none	8·0	Ni and light rain, motion NE.	Ni and Ni; drizzling, motion NE.
1·3	·097	·865	0·23	,,	variable.	1·0	0·0	0·20	,,	8·0	,, ,,	Ni; light rain, motion NE.
1·6	·136	·898	0·01	,,	W	0·3	0·0	0·13	,,	7·9	Ni and Ni, motion NE.	Ni and Ni, motion NE; light rain.
1·6	·131	·913	0·06	WSW	WSW	0·5	0·0	0·28	,,	7·8	Ni, motion NE; light rain.	Ni, motion NE; light wind.
1·6	·153	·926	0·01	,,	,,	1·0	0·1	0·30	,,	7·1	Ni, motion NE; light wind.	Ni, Ni, and Ni, motion E; drizzling.
1·6	·135	·921	0·13	,,	W & WSW	0·4	0·1	0·16	,,	6·3	Ni, motion E.	Ni and Ni; light rain.
2·0	·177	·980	0·01	W & calm	WNW	0·2	0·0	0·08	,,	4·1	Ni, motion E; drizzling.	Ni, Ni, and Ni.
2·0	·195	·944	none	W	W	0·5	0·0	0·12	weak	4·6	Ni and Ni, motion SE; light drizzling.	,,
2·3	·190	·950	,,	WSW	,,	0·2	0·0	0·07	,,	6·8	Ni and Ni, motion E.	Ni and Ni.
2·3	·209	·967	,,	SW	WSW	0·2	0·0	0·08	,,	6·0	Ni, Ni, and Ni; motion NE.	Ni, Ni, and Ni, motion E.
1·9	·201	·922	,,	,,	WSW & calm	1·0	0·0	0·17	none	7·2	Ni and Ni, motion NE; light wind.	Ni, Ni, and Ni, motion ENE.
2·0	·181	·839	,,	calm & SW	W	0·3	0·0	0·11	weak	5·8	Ni and Ni, motion E; lightning.	Ni, Ni, and Ni, motion E in hor.
1·6	·156	·838	0·03	W	,,	0·3	0·0	0·12	,,	7·3	Ni, Ni, and Ni, motion E.	Ni, Ni, and Ni; light rain.
1·6	·165	·803	0·00	variable.	WSW	0·2	0·0	0·10	None	7·2	,, ,,	Ni, Ni, and Ni, motion NE.
1·7	·153	·767	0·18	WSW	,,	1·5	0·0	0·21	,,	7·5	Ni and Ni, motion NE; light rain & light wind.	Ni, Ni, and Ni, motion E, light rain.
1·7	·146	·764	none	SW	W & WSW	0·3	0·1	0·14	,,	6·9	Ni, Ni, and Ni, motion E.	Ni, Ni, and Ni.
1·7	·161	·795	,,	,,	NW	0·6	0·1	0·27	weak	6·5	Ni, Ni, and Ni, motion E, drizzling.	Ni and Ni; drizzling and lightning.
0·6	·073	·769	0·27	NW & NE	,,	1·5	0·1	0·57	,,	7·9	Ni, motion E; light rain and light wind.	Ni and Ni, motion SE; dr. and light wd.
0·6	·048	·777	0·98	NW	NNW	1·5	0·1	0·52	,,	8·0	Ni, motion SE; light rain and light wind.	Ni, motion SE; light rain and light wind.
0·6	·036	·841	3·44	WNW	WNW & NNW	3·0	0·1	0·92	,,	8·0	Ni, motion SE; moderate rain & moderate wind.	Ni, motion SE; moderate rain & moderate wd.
0·3	·040	·804	2·09	NW	NW	1·5	0·1	0·72	,,	8·0	Ni, motion E; slow and moderate rain.	Ni, motion SE; slow rain and moderate wind.
0·3	·024	·750	2·62	WNW	W	1·3	0·1	0·45	none	8·0	,, ,,	Ni, motion E; slow rain and moderate wind.
0·0	·018	·751	2·31	W	WSW	2·0	0·0	0·40	weak	7·6	,, ,,	,, ,,
0·9	·087	·755	0·03	W & WSW	WNW	0·6	0·1	0·32	none	6·8	Ni, motion NE.	Ni, motion E; light rain.
1·0	·094	·739	0·08	,,	W	1·2	0·2	0·50	,,	6·3	Ni, motion E; light rain and light wind.	Ni, motion E.
1·3	·123	·756	0·02	W b S	,,	0·5	0·1	0·25	,,	6·6	Ni and Ni, motion E.	Ni, Ni, and Ni, motion E; light rain.

TABLE V.—*Showing, in the Months of September and October, the Mean Daily Value of*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Free Air.			Wet Bulb Thermometer.			Defference between Wet Bulb Temperature and the Air Temperature.			On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 30 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air Saturation 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
SEPTEMBER 1859.	1		29·727	29·642	29·687	86·4	77·6	81·0	79·8	75·0	77·4	7·2	1·4	3·6	80 7	81·0	81·9	84·1	76·0	0·883	0·85	497	9·5
	2		·788	·676	·736	86·0	78·4	81·4	80·6	76·2	77·5	7·0	1·6	3·9	81·0	81·2	81·8	84·1	76·0	·882	84	498	9·5
	3		·789	·713	·744	83·6	77·3	79·5	79·2	75·0	76·7	5·8	1·2	2·8	79·5	80·9	81·7	84·0	75·6	·872	88	501	9·5
	4	☽																					
	5	Gtst. S Dec.	·778	·681	·727	83·8	75·8	78·5	80·4	74·6	77·1	3·4	0·0	1·4	78·6	79·9	81·7	84·0	76·5	·897	·95	502	9·9
	6		·806	·715	·757	83·8	76·4	78·9	79·8	75·0	76·7	5·4	0·8	2·2	78·9	80·0	81·7	84·0	75.9	·878	·91	501	9·5
	7		·831	·750	·791	81·5	76·2	78·1	79·0	75·0	76·5	3·0	0·2	1·6	78·2	79·9.	81·6	83·9	75·9	·880	·93	504	9·6
	8		·848	·768	·800	83·8	75·8	78·8	80·4	74·6	76·6	5·5	0·4	2·2	78·7	79·9	81·5	83·8	75·8	·875	·91	502	9·5
	9	A.	·805	·716	·754	83·4	77·0	79·2	79·7	74·5	76·5	5·2	1·0	2·7	79·0	80·0	81·5	83·8	75·5	·867	·89	501	9·5
	10		·787	·701	·739	82·8	75·4	77·9	79·8	75·0	76.2	4·3	0·2	1·7	78·0	79·8	81·5	83·8	75·6	·871	·93	503	9·6
	11																						
	12	○ Eq.	·892	·793	·838	83·2	76·9	79·4	79·2	75·5	77·2	5·2	0·5	2·2	79·2	79·9	81·3	83·7	76·4	·893	·91	503	9·5
	13		·901	·802	·842	83·8	75·6	78·9	79·4	75·0	77·0	5·2	0·3	1·9	78·9	80·0	81·2	83·7	76·2	·888	·92	503	9·6
	14		·861	·745	·801	84·6	76·8	79·8	78·0	74·7	76·6	7·6	0·6	3·2	79·5	80·2	81·2	83·6	75·2	·862	·87	500	9·2
	15		·857	·753	·794	85·3	76·0	80·3	78·8	74·2	76·6	7·2	0·8	3·7	79·7	80·3	81·2	83·5	75·1	·858	·85	500	9·2
	16		·840	·740	·784	85·8	75·8	80·4	79·4	74·0	76·5	7·4	1·2	3·9	80·0	80·4	81·2	83·5	75·0	·853	·84	500	9·2
	17		·831	·741	·787	83·8	76·5	80·1	79·8	75·5	77·0	5·4	0·5	3·1	79·8	80·5	81·1	83·4	75·8	·875	·87	500	9·5
	18																						
	19	Gtst. N Dec.	·890	·782	·833	83·5	76·7	79·7	79·0	75·5	77·1	5·7	0·3	2·6	79·4	80·3	81·1	83·3	76·2	·887	·89	501	9·5
	20	☾	·919	·793	·853	83·2	77·5	79·8	79·8	76·0	77·5	4·0	0·8	2·3	79·6	80·5	81·1	83·3	76·6	·900	·91	501	9·8
	21		·891	·758	·823	85·6	77·1	80·2	81·0	75·7	78·1	5·0	0·6	2·1	80·0	80·8	81·1	83·3	77·4	·921	·92	500	9·9
	22		·879	·761	·821	85·4	75·6	79·3	81·4	74·7	77·6	4·0	0·6	1·7	79·2	80·7	81·1	83·3	77·0	·911	·93	502	9·9
	23		·818	·718	·770	86·4	75·0	80·0	80·3	74·0	77·0	7·9	0·6	3·0	79·4	80·3	81·1	83·3	75·8	·877	·88	499	9·5
	24	P.	·835	·729	·781	87·6	78·0	82·4	81·7	77·2	79·5	6·7	0·5	2·8	81·7	81·4	81·1	83·3	78·5	·955	·89	498	10·4
	25	Eq.																					
	26	●	·903	·782	·832	86·3	76·0	80·0	82·0	75·5	78·2	4·3	0·2	1·8	80·0	81·9	81·6	83·2	77·5	·924	·93	501	10·2
	27		·824	·699	·772	85·8	76·0	80·4	80·4	75·0	77·7	6·0	0·6	2·7	80·1	81·1	81·9	83·3	76·7	·901	·89	499	9·8
	28		·759	·639	·716	86·6	76·8	80·8	80·3	75·2	77·7	6·3	1·0	3·1	80·4	81·3	82·0	83·4	76·6	·898	·88	497	9·8
	29		·775	·673	·731	86·8	77·0	80·9	80·6	75·4	77·6	6·6	1·0	3.3	80·5	81·4	81·9	83·3	76·3	·891	·87	498	9·5
	30		·793	·697	·748	87·2	77·2	81·6	80·8	75·8	78·7	6·4	1·0	2·9	81·3	81·5	81·9	83·4	77·6	·927	·88	497	10·1
	31																						
OCTOBER 1859.	1	Gtst. S Dec.	·792	·654	·732	88·0	77·3	81·9	81·3	75·6	79·1	6·7	0·8	2·8	81·7	82·1	81·9	83·5	78·1	·942	·89	497	10·1
	2																						
	3		·720	·599	·659	87·8	77·0	82·0	82·4	76·2	79·2	5·8	0·6	2·8	81·7	81·9	82·0	83·5	78·2	·947	·89	495	10·1
	4	☽	·762	·646	·693	88·0	77·0	83·0	82·5	75·0	79·5	6·2	1·0	3·5	82.5	82·5	82·0	83·5	78·3	·948	·86	495	10·1
	5		·794	·697	·742	88·1	79·6	83·6	81·0	78·3	79·9	7·4	1·2	3·7	83·1	82·8	82·3	83·8	78·6	·957	·84	495	10·4
	6	A.	·830	·741	·787	87·5	79·2	83·3	81·5	77·4	79·4	6·1	1·2	3·9	83·0	83·0	82·3	83·8	78·0	·940	·85	497	10·1
	7		·899	·790	·839	86·4	80·0	82·7	78·8	75·7	77·1	8·4	3·7	5·6	82·2	82·7	82·4	83·6	75·0	·853	·78	498	9·2
	8		·906	·801	·846	85·8	76.6	81·1	78·4	74·6	76·0	9·0	1·8	5·1	80·8	81·9	82·5	83·6	74·0	·827	·80	500	8·9
	9	Eq.																					
	10		·976	·872	·921	85·6	76·1	80·7	78·5	74·0	75·7	9·0	1·8	5·0	80·3	81·1	82·3	83·5	73·7	·819	·80	501	8·9
	11		·996	·902	·942	85·0	75·8	80·0	77·4	73·0	75·3	9·4	2·0	4·7	79·8	80·9	82·3	83·5	73·3	·810	·81	503	8·7
	12	○	·993	·873	·929	85·4	75·2	79·8	77·5	73·0	75·5	9·0	1.8	4·3	79·5	80·7	82·2	83·4	73·7	·819	83	502	8·9
	13		·962	·838	·895	84·8	75·4	79·2	77·4	74·0	75·2	9·1	1·0	4·0	79·0	80·4	82·2	83·3	73·5	·815	·84	504	8·9
	14		·967	·832	·891	83·8	74·4	79·1	78·0	72·4	75·7	6·0	1·2	3·4	78·8	80·3	82·0	83·3	74·3	·835	·86	504	8·9
	15		·935	·818	·869	84·8	75·8	80·1	79·9	74·7	77·4	5·5	0·4	2·7	79·8	80·7	81·9	83·3	76·4	·893	·89	501	9·5
	16	Gtst. N Dec.																					
	17		·922	·826	·864	84·4	74·1	78·7	78·2	71·8	74·9	7·7	1·2	3·8	78·4	80·1	81·7	83·3	73·3	·809	·84	503	8·7
	18		·933	·812	·859	83·0	73·2	77·9	77·3	72·0	74·7	6·0	0·6	3·2	77·6	79·7	81·7	83·3	73·5	·813	·87	505	8·9
	19	☾	·908	·785	·842	83·7	73·8	78·2	76·2	72·0	74·2	8·3	1·2	4·0	77·9	79·5	81·7	83·3	72·6	·789	·83	505	8·7
	20		·902	·782	·839	84·2	73·4	78·3	76·0	72·0	74·7	9·0	0·0	3·6	77·9	79·4	81·6	83·3	73·2	·807	·85	505	8·7
	21		·930	·804	·858	83·8	74·6	78·6	77·4	73·6	75·8	6·8	0·6	2·8	78·2	79·5	81·4	83·3	74·6	·844	·88	503	9·2
	22	P. Eq.	·925	·813	·862	84·6	75·0	79·4	79·8	74·4	77·2	4·8	0·0	2·2	79·2	80·0	81·4	83·3	76·3	·891	·91	503	9·5
	23																						
	24		·939	·829	·870	86·3	76·2	80·0	80·0	75·0	77·2	7·0	0·3	2·8	79·7	80·7	81·3	83·3	76·1	·885	·88	501	9·5
	25		·949	·841	·890	86·0	74·2	79·7	79·0	73·6	76·6	7·8	0·2	3·1	79·4	80·5	81·3	83·3	75·4	·866	·87	502	9·2
	26	●																					
	27		30·005	·891	·938	84·4	74·5	79·4	79·1	73·4	76·6	6·4	0·5	2·8	79·2	80·4	81·3	83·2	75.4	·866	·88	505	9·2
	28		·008	·887	·934	87·2	74·2	79·9	79.0	72·8	75·5	10·5	0·5	4·4	79·4	80·3	81·3	83·2	73·8	·821	·83	503	8·9
	29	Gtst. S Dec.	·002	·858	·925	87·4	73·6	79·3	79·1	71·0	74·0	9·2	0.9	5·3	78·8	79·9	81·3	83·2	71·8	·770	·79	504	8·4
	30																						
	31		29·982	·873	·922	91·3	75·5	81·3	81·0	72·0	75·6	17·0	1·7	5.7	80·6	80·4	81.4	83·2	73·3	·808	·78	501	8·7

Value of all the Meteorological Observations, and the Daily changes in the state of the Weather.

Metric Deductions. Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Least.	Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.				lb.	lb.	lb.				
1·6	0·151	28·804	0·02	WSW	WSW	0·6	0·1	0·23	none	6·3	⌒≀, motion E; light rain.	⌒≀, ⌒≀, and ≀.
1·6	·165	·854	0·00	SW	,,	0·4	0·1	0·16	,,	5·8	≀, ⌒≀, and ≀, motion E; light drizzling.	≀, ⌒≀, and ⌒≀.
1·0	·114	·872	0·05	WSW	,,	0·8	0·0	0·21	,,	7·1	⌒≀ and ⌒≀; light rain.	⌒≀ and ⌒≀; light rain.
			0·48									
0·3	·058	·830	0·75	SSW	,,	1·0	0·0	0·29	weak	7·5	⌒≀ and light rain, motion E.	⌒≀, ⌒≀, and ≀; light rain, motion *NE.*
1·0	·089	·879	0·08	SW	SW	0·4	0·0	0·21	none	6·3	⌒≀, motion NE; drizzling and light rain.	⌒≀; drizzling.
0·6	·063	·911	0·14	,,	WSW	1·0	0·0	0·39	,,	7·6	⌒≀, ≀, and ⌒≀, motion NE; light rain.	⌒≀; light rain.
1·0	·089	·925	0·33	,,	,,	1·5	0·1	0·29	,,	6·7	,, ,, ,,	⌒≀, ⌒≀, and ≀; light rain.
1·0	·109	·887	0·05	,,	,,	2·5	0·1	0·48	,,	7·0	⌒≀, motion NE; drizzling.	⌒≀ and ≀; light rain.
0·6	·066	·868	0·09	S	SW	1·8	0·0	0·35	,,	8·0	⌒≀, motion NE; light drizzling.	⌒≀; light rain.
			0·31									
1·0	·090	·945	0·03	W & SSW	,,	0·4	0·0	0·12	,,	5·8	⌒≀, motion NE; light rain.	⌒≀; light rain.
0·9	·079	·954	0·72	E	variable.	0·2	0·0	0·09	,,	6·8	⌒≀, motion E; moderate rain.	,, ,,
1·6	·134	·940	0·00	calm	calm	0·2	0	0·04	,,	6·0	⌒≀, motion E; light drizzling.	⌒≀ and ⌒≀, motion NE.
1·6	·153	·936	0·01	variable.	W	0·2	0·0	0·09	,,	6·3	⌒≀, ⌒≀, and ≀, motion NE or SE; light rain.	⌒≀, ≀, and ⌒≀, motion variable.
1·6	·160	·931	0·00	WNW E	WNW	0·4	0·0	0·15	,,	4·1	⌒≀, motion N; drizzling.	⌒≀, motion E.
1·3	·130	·912	0·10	calm NE	NW	1·4	0·0	0·13	,,	6·8	⌒≀, motion E; light rain.	⌒≀, ⌒≀, and ≀.
			0·26									
1·3	·105	·946	0·42	calm	NNW	0·8	0·0	0·15	,,	6·7	⌒≀, motion ESE; light rain.	⌒≀; light rain.
1·0	·095	·953	0·00	,,	NW	0·8	0·0	0·20	,,	7·8	⌒≀, motion SE; drizzling.	⌒≀ and ≀; lightning.
0·9	·087	·908	0·01	,,	,,	0·6	0·0	0·15	weak	7·0	⌒≀ and ⌒≀, motion SSE.	⌒≀, ⌒≀, and ≀; light rain. [md. rain.
0·6	·068	·910	0·72	,,	,,	0·2	0	0·06	Sp.	7·6	⌒≀, motion ESE.	⌒≀, ⌒≀, and ⌒≀; lightning, thunder, and
1·3	·124	·803	0·00	N & calm	W & calm	0·2	0·0	0·06	weak	5·4	⌒≀, motion SE; lightning.	⌒≀, ⌒≀, ⌒≀, and ≀; lt., th., and l. dr.
1·1	·125	·826	0·00	calm SSE	W	0·2	0·0	0·08	none	4·8	⌒≀, ⌒≀, and ≀; lightning.	⌒≀, ⌒≀, ⌒≀ and ≀; and lightning.
			,,									
0·6	·071	·908	1·23	calm	variable.	5·5	0·0	0·34	Sp.	6·0	⌒≀, ⌒≀, ⌒≀, and ≀; lightning.	⌒≀, ⌒≀, ⌒≀, and ≀, lt., th., and md. rain.
1·0	·113	·871	0·00	calm & NE	NNW & E	0·5	0·0	0·15	,,	6·0	⌒≀, ⌒≀, and ≀; lightning.	⌒≀, ⌒≀, ⌒≀, and ≀; lt., th., rb., and l. dr.
1·3	·129	·818	0·11	calm & E	NW & E	0·6	0·0	0·25	,,	6·1	⌒≀, ⌒≀, ≀, and ⌒≀; dew.	,, ,, ,, light rain.
1·6	·139	·840	0·03	E	NW & calm	4·0	0·0	0·32	,,	5·7	⌒≀, ⌒≀, and ≀; lightning.	,, ,, ,, ,,
1·4	·126	·821	0·00	,,	WSW & calm	0.2	0.0	0·08	weak	6·5	,, ,,	,, ,, ,, ,,
1.4	·121	·790	0.46	E	W & calm	0·2	0	0·08	Sp.	6·0	⌒≀ and ≀, motion W; lightning.	⌒≀, ⌒≀, ⌒≀, and ≀, motion variable; lt., [th., and light rain.
1·4	·120	·712	0.01	calm & S	NW	0·4	0·0	0·15	weak	6·0	⌒≀, ⌒≀, & ≀, motion N; lighining, th., & l. r.	⌒≀, ⌒≀, ⌒≀, and ≀, motion E.
1·7	·153	·746	0.35	variable	,,	0·7	0·0	0·23	none	4·0	⌒≀, ⌒≀, and ≀, motion SE; moderate rain.	⌒≀, ≀, and ⌒≀, motion E.
1·8	·164	·785	none	NNW & calm	,,	0·7	0·0	0·26	,,	5·4	⌒≀, ⌒≀, and ≀, motion SE; dew.	⌒≀, ≀, ⌒≀, and ⌒≀, motion *SE.*
1·7	·171	·847	,,	NW & W	WNW	0·4	0·0	0·18	weak	5·2	≀, ⌒≀, and ⌒≀, motion SE; dew in hor.	⌒≀ and ⌒≀, motion W.
2·6	·237	·986	,,	NW	NW	1·0	0·2	0·55	,,	2·4	⌒≀, motion SE; misty.	⌒≀, motion SE.
2·2	·210	29·019	,,	NNW	,,	0·6	0·0	0·22	none	1·8	⌒≀, motion SE; dew.	,,
2·2	·205	·109	,,	calm & E	,,	0·8	0.0	0·18	,,	1·9	⌒≀, motion SE; dew.	⌒≀ and ≀, motion SE.
2·1	·191	·132	,,	,,	,,	0·6	0.0	0·16	,,	2·2	⌒≀ and ≀, motion SE; dew.	⌒≀; dew.
1·9	·176	·110	,,	ENE	,,	0·5	0.0	0·17	,,	1·1	⌒≀, motion S; dew.	⌒≀, motion *SE.*
1·6	·161	·080	,,	calm & ENE.	NNW	1·0	0·0	0·36	,,	0·8	Patches of ≀, ⌒≀, and ⌒≀, *motion SE*; dew.	Patches of ⌒≀ in hor.
1·6	·138	·056	,,	calm & N	,,	1·5	0.0	0·53	,,	1·9	≀ and ⌒≀, *motion* SE; dew.	Patches of ⌒≀, ⌒≀, and ≀.
1·3	·111	28·976	,,	NNE	NW	1·5	0.0	0·42	,,	2·0	≀ and ⌒≀, motion NW; dew.	A few ≀ and ⌒≀; dew.
1·8	·153	29·056	,,	calm & NE	NNW	1·5	0·0	0·32	,,	..	Patches of ⌒≀; dew and misty.	A few ≀ and ⌒≀; dew.
1·3	·124	·046	,,	N	NW	1·0	0·0	0·36	,,	2·0	≀ and ⌒≀; *dew and misty, motion S.*	≀ and ⌒≀.
1·5	·157	·053	,,	calm & NE	,,	0·6	0·0	0·17	,,	2·5	≀ and ⌒≀, motion SE; dew and misty.	≀ and ⌒≀; dew.
1·5	·142	·032	,,	calm & E b S	,,	0·2	0·0	0·07	,,	0·6	A few ≀ and ⌒≀; dew and misty.	,, ,,
1·3	·114	·014	,,	calm and NE	,,	0·6	0	0·14	,,	0·8	≀ and ⌒≀; dew and misty.	≀ and ⌒≀, motion SE; dew.
1·0	·092	28·971	,,	,,	,,	1·0	0·0	0·32	,,	2·7	⌒≀, motion W; dew and misty.	⌒≀, motion W; dew.
1·3	·116	·985	,,	calm	v. & calm	0·2	0·0	0·05	,,	3·8	⌒≀, motion *variable*; dew.	⌒≀; dew.
1·6	·126	29·024	,,	,,	NW	0·2	0.0	0·06	,,	1·6	⌒≀, motion W; dew and misty.	⌒≀ around hor.; dew.
1·3	·117	·072	,,	calm & NE	,,	1·4	0·0	0·30	weak	1·0	⌒≀, motion W; dew.	A few patches around hor.; dew.
1·9	·177	·113	,,	calm	,,	0·7	0·0	0·17	mod.	0·1	A few ≀ around hor.; dew and misty.	Almost cloudless.
2·1	·209	·155	,,	calm & NE	NNW	0·6	0·0	0·15	weak	1·3	≀ around hor.; dew and misty.	≀ about hor.
2·4	·235	·114	,,	NE	,,	0·6	0·0	0·20	mod.	1·6	≀ around hor.; dew and misty.	≀; dew.

TABLE VI.—*Showing, in the Months of November and December, the Mean Daily Value*

	Days of the Month.	Phases of the Moon.	Barometer No. 58 corrected to 32° Fahrenheit.			Temperature.									Ground Thermometers.				Mean daily Value of Hygrome				
						Thermometer in External and Free Air.			Wet Bulb Thermometer.			Difference between Wet Bulb Temperature and the Air Temperature.			On the Surface of the Ground.	Thermometer whose bulb is 6 inches below the surface of the ground.	Thermometer whose bulb is 20 inches below the surface of the ground.	Thermometer whose bulb is 60 inches below the surface of the ground.	Dew-point.	Pressure of Moisture.	Humidity of Air. Saturation = 1·00.	Weight in Grains of a Cubic Foot of Air.	Weight in Grains of Vapour in a Cubic Foot of Air.
			Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.	Greatest.	Least.	Mean daily Value.									
			in.	in.	in.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	in.		grs.	grs.
NOVEMBER 1859.	1		29·975	29·836	29·930	89·0	75·0	80·5	81·1	72·5	76·0	11·8	0·2	4·5	80·0	80·6	81·4	83·2	74·2	0·832	0·82	502	8·9
	2	☽	·975	·827	·888	85·6	74·6	79·5	79·9	73·6	76·3	8·6	0·2	3·2	79·2	80·3	81·4	83·2	75·1	·858	·87	504	9·2
	3	☊.	·896	·781	·837	86·5	74·3	79·8	80·0	72·3	75·2	11·0	1·1	4·6	79·2	80·2	81·5	83·3	73·5	·812	·82	501	8·9
	4		·896	·791	·832	85·2	73·6	79·1	76·6	71·3	74·3	10·2	1·2	4·8	78·8	80·1	81·3	83·3	72·2	·780	·81	503	8·4
	5	Eq.	·927	·828	·878	87·0	74·0	79·6	76·0	71·0	73·5	12·7	2·0	6·1	79·1	80·1	81·3	83·2	70·9	·748	·77	501	8·1
	6																						
	7		·928	·795	·854	88·9	75·4	80·8	78·0	70·2	74·2	13·6	1·8	6·6	80·3	80·6	81·3	83·1	71·4	·760	·74	500	8·1
	8		·944	·810	·866	89·1	76·0	81·4	76·5	69·4	72·7	17·8	3·0	8·7	80·8	80·7	81·4	83·2	68·8	·699	·68	500	7·6
	9		·957	·839	·895	88·1	76·1	81·3	77·0	71·0	73·1	15·0	4·4	8·2	80·8	81·0	81·3	83·2	69·5	·715	·69	501	7·8
	10	○	·926	·808	·871	88·9	74·5	81·2	77·0	68·5	73·4	13·9	3·6	7·8	80·8	80·8	81·3	83·3	69·9	·726	·70	500	7·8
	11		·910	·810	·856	90·0	76·2	81·4	80·5	72·3	75·0	13·4	3·3	6·4	81·0	81·3	81·5	83·4	72·6	·785	·76	500	7·7
	12	Gtst. N Dec.	·924	·806	·863	87·4	77·5	81·7	78·4	73·5	76·4	11·4	2·0	5·3	81·4	81·6	81·7	83·4	74·3	·835	·80	499	8·9
	13																						
	14		·937	·833	·879	87·0	77·4	81·5	75·8	70·5	73·7	12·3	3·0	7·8	81·0	81·4	82·0	83·4	70·3	·735	·71	500	7·8
	15		·911	·807	·856	86·8	76·0	80·2	76·0	70·2	73·7	15·2	1·8	6·5	79·9	80·9	82·1	83·4	70·9	·745	·75	501	8·1
	16	P.	·903	·789	·847	86·5	73·1	79·8	75·7	66·5	73·2	11·9	2·0	6·6	79·5	80·5	82·0	83·4	70·3	·734	·75	501	7·9
	17	☾	·893	·772	·833	89·5	76·2	81·5	79·3	72·0	75·2	12·7	3·2	6·3	80·8	81·6	82·2	83·3	72·5	·791	·76	499	8·7
	18		·903	·793	·840	91·1	77·1	82·4	78·5	72·6	74·8	15·1	1·9	7·6	81·9	81·6	82·0	83·3	71·6	·767	·72	499	8·3
	19	Eq.	·907	·765	·827	86·3	76·4	80·9	76·5	71·0	74·1	10·8	2·5	6·8	80·7	81·5	82·0	83·2	71·2	·757	·74	499	8·1
	20																						
	21		·876	·770	·820	91·0	74·2	81·3	77·0	67·7	73·3	18·1	3·9	8·0	80·8	81·2	82·2	83·4	69·7	·721	·70	499	7·8
	22		·924	·807	·857	89·8	75·6	81·2	77·8	70·0	73·9	15·6	3·4	7·3	80·9	81·3	82·4	83·4	70·9	·748	·71	500	8·0
	23		·935	·806	·864	88·0	74·6	80·3	76·1	68·0	72·0	18·0	4·4	8·3	80·2	81·0	82·3	83·3	68·1	·684	·68	501	7·3
	24	●	·926	·789	·848	86·2	78·4	81·4	77·0	69·0	72·7	11·4	7·1	8·7	81·0	81·3	82·2	83·2	68·7	·698	·67	500	7·6
	25	Gtst. S Dec.	·868	·763	·807	88·2	76·5	81·4	76·5	68·4	72·3	16·6	6·0	9·1	81·0	81·3	82·2	83·2	68·1	·683	·66	499	7·3
	26		·887	·772	·824	89·2	75·4	80·7	78·3	69·2	72·8	14·4	3·3	7·9	80·4	81·1	82·1	83·2	69·3	·710	·70	499	7·6
	27		·906	·795	·841	90·2	75·3	80·6	77·7	70·0	72·8	20·2	4·3	7·8	80·4	81·1	82·1	83·2	69·3	·711	·71	500	7·6
	28																						
	29		·926	·772	·837	85·9	72·2	78·0	72·4	63·5	69·0	15·6	1·7	9·0	77·9	79·8	82·2	83·2	64·3	·603	·65	505	6·5
	30		·848	·713	·780	84·8	70·8	76·8	73·0	64·6	69·7	12·3	3·0	7·1	76·8	79·1	82·0	83·1	66·1	·641	·72	505	7·0
DECEMBER 1859.	1		·885	·773	·835	80·8	73·0	75·8	71·8	66·2	69·4	10·4	3·4	6·4	75·9	78·4	81·7	83·1	66·1	·640	·73	507	7·0
	2	☽	·973	·858	·919	76·2	75·2	71·3	68·8	59·0	65·2	11·0	0·8	6·1	71·2	76·3	81·5	83·1	61·7	·553	·73	514	6·2
	3	Eq.	30·016	·852	·930	79·8	72·0	70·2	67·4	55·2	61·0	14·8	4·8	9·2	70·3	74·2	81·6	83·1	54·7	·439	·61	516	4·8
	4																						
	5		29·956	·829	·883	83·0	67·4	74·6	69·8	63·2	66·3	15·0	4·0	8·3	74·3	75·5	80·6	83·2	61·6	·553	·67	509	6·1
	6		·972	·833	·891	81·2	67·2	73·9	70·4	63·4	66·9	10·9	3·0	7·0	73·9	75·8	79·6	83·2	63·0	·579	·71	510	6·4
	7		·979	·860	·909	81·0	66·0	72·8	70·4	60·0	65·9	12·0	3·5	6·9	72·9	75·3	79·5	83·0	62·1	·561	·71	511	6·2
	8		·994	·876	·923	82·0	65·6	73·5	73·6	60·6	67·7	11·0	2·6	5·8	73·7	75·3	79·2	83·0	64·8	·614	·76	510	6·8
	9	Gtst. N Dec.	·978	·853	·913	84·6	68·2	75·6	75·5	64·4	69·9	13·6	1·2	5·7	75·5	76·1	79·2	83·0	67·4	·660	·77	508	7·2
	10	○	·983	·880	·930	81·1	68·6	74·7	74·6	65·4	70·5	7·1	1·4	4·2	74·9	76·5	79·0	82·9	68·5	·692	·82	510	7·7
	11																						
	12		30·036	·928	·976	81·0	71·0	75·4	76·2	70·0	73·0	5·4	0·3	2·4	75·5	76·9	79·0	82·8	71·8	·772	·89	510	8·4
	13	P.	·018	·900	·954	82·6	69·6	75·9	75·0	67·2	72·0	7·7	0·8	3·9	75·8	77·1	79·0	82·8	70·1	·730	·84	509	7·9
	14		·011	·894	·943	82·0	68·6	74·8	72·6	63·6	69·5	11·0	1·2	5·3	74·8	76·7	79·0	82·7	66·8	·655	·78	510	7·2
	15		·026	·918	·958	81·2	67·6	74·2	73·0	65·0	69·2	9·4	0·8	5·0	74·3	76·2	79·0	82·7	66·7	·653	·79	511	7·2
	16	Eq.	·017	·919	·967	84·0	67·6	75·1	75·8	60·8	67·3	14·0	4·0	7·8	74·9	76·2	78·9	82·7	63·3	·579	·68	510	6·4
	17	☾	·040	·918	·980	83·2	68·8	76·1	75·7	63·0	70·0	10·6	2·6	6·1	75·9	76·7	78·8	82·7	67·0	·660	·75	508	7·2
	18																						
	19		·043	·924	·971	80·8	69·2	74·4	70·8	63·5	68·1	10·6	2·0	6·3	74·4	76·4	78·8	82·7	64·8	·613	·74	511	6·8
	20		·044	·876	·949	80·8	65·4	72·9	70·0	58·4	65·1	12·7	3·2	7·8	72·9	75·2	78·8	82·6	60·9	·540	·67	512	6·0
	21		29·980	·848	·907	80·8	66·0	73·1	70·4	62·4	67·0	12·6	1·0	6·1	73·2	75·2	78·7	82·5	63·7	·592	·75	511	6·6
	22	Gtst. S Dec.	·982	·878	·926	83·6	67·3	74·4	73·5	63·7	69·0	12·0	3·0	5·4	74·4	75·7	78·7	82·5	66·2	·642	·77	510	7·0
	23		30·038	·920	·969	81·4	69·4	75·0	72·2	65·0	69·2	9·7	2·5	5·8	74·9	76·1	78·7	82·5	66·2	·643	·76	510	7·0
	24	●	·061	·948	·994	82·0	72·2	76·3	71·0	65·0	68·3	14·8	4·8	8·0	76·1	76·7	78·7	82·5	64·1	·600	·68	510	6·6
	25																						
	26																						
	27		29·993	·876	·926	86·8	69·5	75·5	74·8	64·5	68·3	19·3	3·0	7·2	75·2	76·3	78·3	82·2	64·5	·607	·71	508	6·8
	28		·988	·863	·920	83·3	68·9	74·9	73·6	62·0	67·1	17·7	4·7	7·8	74·7	76·1	78·1	82·0	59·9	·577	·68	509	5·7
	29	A.	·970	·863	·911	82·2	67·1	74·4	73·0	61·5	68·2	16·0	2·6	6·2	74·4	76·0	78·4	82·1	65·0	·618	·74	510	6·8
	30	Eq.	·984	·864	·914	80·6	65·7	72·9	70·2	61·0	66·1	11·6	2·1	6·8	72·1	75·3	78·5	82·1	62·3	·565	·71	511	6·2
	31		·985	·850	·910	79·4	64·5	71·8	69·4	58·5	64·9	12·6	2·6	6·9	72·0	74·5	78·6	82·0	60·9	·538	·70	512	6·0

of all the Meteorological Observations, and the Daily changes in the state of the Weather.

Weight in Grains required for complete Saturation of a Cubic Foot of Air.	Quantity of Water actually evaporated in the Air.	Pressure of supposed Dry Air.	Rain: inches by Newman's Gauge.	Wind. Direction. From Midnight to Noon.	Wind. Direction. From Noon to Midnight.	Force in Pounds on a square foot. Greatest.	Least.	Mean daily Value.	Atmospheric Electricity.	Extent of cloudy sky.	Clouds and Weather. A. M.	Clouds and Weather. P. M.
grs.	in.	in.	in.			lb.	lb.	lb.				
2·2	0·185	29·096	none.	NE	NW	0·3	0·0	0·11	mod.	0·5	⩔i; dew and misty.	⩔i; misty and dew.
1·3	·132	·030	,,	calm & ENE	,,	0·2	0·0	0·08	weak	0·3	,,	A few ⩔i in the afternoon.
1·9	·183	·025	,,	calm	,,	0·4	0·0	0·10	Sp.		A few ⩔i; dew and misty	A few ⩔i; dew.
2·1	·193	·052	,,	,,	,,	0·3	0·0	0·08	,,	0·3	⩔i; dew and misty.	Cloudless.
2·7	·241	·130	,,	calm & ENE	W	0·4	0·0	0·07	mod.		Patches of ⩔i in W at 8h.	Patches of ⩔i at 5h. and 11h.
3·0	·269	·094	,,	,,	NNW	1·2	0·0	0·22	,,	0·8	⩔i around hor.; dew and misty	⩔i around hor.
3·5	·349	·167	,,	,,	,,	1·2	0·0	0·23	weak	0·2	,, ,,	Patches of ⩔i around hor.
3·3	·328	·180	,,	NE	NW	1·0	0·0	0·22	mod.	3·4	⩔i; dew and misty.	⩔i and ⩓i.
3·3	·315	·145	,,	calm	,,	0·6	0·0	0·09	,,	4·9	⩔i and ⩓i; misty.	,,
3·4	·261	·071	,,	calm & NE	WNW	0·3	0·0	0·09	Sp.	4·9	,, ,,	,,
2·6	·222	·028	,,	ENE	W	0·1	0·0	0·05	mod.	6·3	⩔i and ⩓i; dew and misty.	⩔i, motion NE; ⩓i.
3·3	·315	·144	,,	calm	NW	0·6	0·0	0·16	,,	4·7	⩔i; misty, motion N.	⩔i, motion NE.
2·7	·264	·111	,,	N	WNW	1·0	0·0	0·23	weak	2·5	⩔i, motion NE; misty and dew.	A few ⩓i and ⩔i.
2·9	·265	·113	,,	calm & N	NW	0·8	0·0	0·27	,,	3·5	⩓i and ⩔i; misty and dew.	⩔i and ⩓i, motion NE.
2·8	·259	·042	,,	calm & NE	,,	0·5	0·0	0·12	,,	2·6	⩓i and ⩔i, motion NE; misty and dew.	⩔i, motion NE.
2·6	·314	·073	,,	NE	,,	1·3	0·0	0·22	,,	1·5	⩓i and ⩔i, motion NE; misty.	⩔i and ⩓i.
3·0	·273	·070	,,	calm	,,	1·0	0·0	0·25	,,	2·8	⩔i and ⩓i; misty and dew, motion NE.	,,
3·3	·323	·099	,,	calm & NE	,,	0·4	0·0	0·10	mod.	1·3	⩔i; misty.	⩔i.
3·1	·297	·109	,,	NE	,,	0·4	0·0	0·12	,,	2·3	⩔i and ⩓i; misty.	⩓i.
3·5	·327	·180	,,	,,	,,	0·6	0·0	0·21	,,	1·1	⩔i, motion N; dew and misty.	⩔i, motion W.
3·5	·351	·156	,,	variable	,,	1·5	0·0	0·42	weak	6·8	⩔i and ⩓i, motion N.	⩔i, motion NE.
3·8	·364	·124	,,	NE	,,	0·5	0·0	0·14	,,	0·6	⩔i; misty.	Patches of ⩔i and ⩓i.
3·5	·313	·114	,,	,,	,,	0·5	0·0	0·13	,,	0·2	Patches of ⩔i; misty and dew.	Cloudless.
3·5	·310	·130	,,	,,	,,	0·7	0·0	0·20	,,	0·2	Dew and misty.	A few ⩓i and ⩔i.
3·7	·337	·234	,,	ENE	WNW	0·6	0·0	0·15	,,	0·1	A few ⩓i; misty and dew.	A few patches of ⩔i in hor.
2·9	·264	·139	,,	NNE	W	0·5	0·0	0·10	,,	0·7	⩓i; misty and dew.	⩓i and ⩔i about hor.
2·6	·236	·195	none	calm & N	NW	1·5	0·0	0·34	weak	2·8	⩔i; dew and misty, motion SE.	⩔i and ⩓i, motion E.
2·0	·205	·366	0·14	N	,,	1·2	0·0	0·32	,,	3·1	⩔i and ⩔i; light rain, motion E.	⩓i and ⩔i, motion NE.
3·2	·293	·491	none	,,	,,	0·8	0·1	0·27	,,	0·1	⩓i; fogy and misty.	A few ⩓i in E hor.
3·2	·290	·330	,,	calm & NE	WSW & W	0·4	0·0	0·09	,,	..	A few ⩓i in E hor.; fogy and misty.	A few ⩓i in E hor.
2·6	·245	·312	,,	calm & NW	NW	1·7	0·0	0·36	,,	..	Misty and fogy.	Cloudless.
2·6	·234	·348	,,	calm & N	,,	0·5	0·0	0·17	mod.	..	Misty, fogy, and dew.	,,
2·2	·200	·309	,,	,,	,,	0·8	0·0	0·17	weak	2·6	,,	A few ⩓i in W hor.
2·4	·211	·253	,,	calm & NE	,,	0·8	0·0	0·12	,,	2·6	⩓i; misty, fogy, and dew.	⩓i.
1·6	·154	·238	,,	calm	,,	0·8	0·0	0·25	,,	4·9	,, ,,	⩓i and ⩔i.
0·9	·093	·204	,,	NNW & calm	,,	0·5	0·0	0·15	,,	1·2	⩔i; dew, misty, and fogy.	Patches of ⩔i; dew.
1·7	·149	·224	,,	calm	,,	0·8	0·0	0·20	,,	0·4	,, ,,	A few pieces of ⩔i.
2·1	·194	·288	,,	calm & N	W & NW	0·8	0·0	0·22	,,	..	Misty, fogy, and dew.	Patches of ⩔i.
1·8	·179	·305	,,	calm	NW	1·0	0·0	0·26	,,	..	,,	,,
2·9	·278	·382	,,	calm & NE	,,	0·5	0·0	0·15	,,	1·4	⩔i; misty and fogy.	⩔i.
2·4	·225	·320	,,	NE	,,	0·5	0·0	0·15	,,	2·4	⩔i, motion NW; misty and fogy.	⩔i around hor.
2·2	·225	·358	,,	calm & NNE	,,	2·0	0·0	0·47	,,	1·2	⩔i and ⩓i; misty, fogy, and dew.	⩓i and ⩔i.
2·8	·257	·409	,,	N	,,	2·0	0·0	0·47	,,	..	Patches of ⩔i; misty and fogy.	A few patches of ⩔i.
2·2	·211	·315	,,	calm	,,	0·5	0·0	0·15	mod.	0·1	A few ⩓i and ⩔i; misty, dew, and fogy.	⩓i and ⩔i.
2·0	·196	·284	,,	,,	,,	0·8	0·0	0·16	,,	3·9	⩔i; misty and fogy.	⩓i, ⩔i, and dew.
2·3	·211	·326	,,	,,	,,	0·6	0·0	0·17	,,	4·7	⩔i and ⩓i; misty, fogy, and dew.	⩓i and ⩔i.
3·0	·290	·394	,,	N & NE	calm & NNW	0·2	0·0	0·06	,,	6·6	⩔i and ⩓i; misty and fogy, motion NE.	⩔i, motion NE.
2·8	·261	·319	,,	N	NW	0·8	0·0	0·20	,,	0·2	Misty, dew, and fogy.	A few ⩓i.
3·6	·274	·343	,,	NNE	,,	0·6	0·0	0·21	Sp.	..	Patches of ⩔i; fogy and misty.	,,
2.2	·220	·293	,,	calm	,,	0·5	0·0	0·14	,,	0·7	⩓i; dew, misty, and fogy.	Cloudless.
2·6	·232	·349	,,	,,	,,	0·8	0·0	0·28	,,	..	Misty, fogy, and dew.	,,
2·5	·233	·372	,,	,,	,,	1·0	0·0	0·32	,,	..	Misty and fogy.	A few ⩓i in hor. at sunset.

STANDARD BAROMETER.

TABLE VII.—*Showing, for each Month, the Mean Height of Standard Barometer, and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Height of Standard Barometer.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.	
	in.	in.		in.
January	29·933	0·000	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter ..	29·894
February	·918	+ ·008		
March	·878	+ ·022		
April	·787	− ·005	Mean of {April, May, June, July, Aug. Sept.} or Summer..	29·729
May	·789	+ ·046		
June.....	·662	+ ·014	Mean of the year	29·812
July.....	·628	− ·017		
August.....	·731	+ ·015		
September	·779	− ·004	Greatest monthly mean, in January.....	29·933
October	·854	+ ·024	Least monthly mean, in July	29·628
November	·851	− ·045		
December.....	·931	− ·005	Difference.....	0·305

TABLE VIII.—*Mean Height of Standard Barometer No. 58, corrected for the Expansion of Mercury and Brass, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29·937	29·923	29·883	29·789	29·796	29·666	29·639	29·736	29·781	29·849	29·851	29·934
1 A. M.	·922	·914	·863	·777	·778	·645	·622	·723	·766	·839	·837	·918
2 „	·914	·902	·852	·766	·768	·632	·611	·709	·753	·829	·827	·906
3 „	·903	·893	·845	·760	·765	·627	·604	·702	·748	·827	·821	·900
4 „	·904	·892	·845	·766	·771	·628	·605	·704	·750	·833	·824	·902
5 „	·911	·898	·860	·778	·783	·637	·618	·709	·765	·845	·839	·914
6 „	·929	·918	·882	·797	·804	·658	·629	·725	·781	·866	·860	·931
7 „	·961	·946	·906	·817	·820	·675	·641	·745	·804	·885	·884	·960
8 „	·984	·967	·929	·840	·833	·688	·658	·763	·821	·906	·903	·981
9 „	30·008	·984	·943	·853	·841	·694	·664	·772	·827	·917	·916	·997
10 „	·001	·988	·948	·849	·838	·697	·664	·773	·826	·911	·908	·994
11 „	29·979	·971	·929	·836	·828	·690	·659	·765	·815	·890	·889	·996
Noon.	·948	·942	·904	·814	·813	·680	·649	·751	·794	·862	·861	·943
1 P. M.	·913	·910	·871	·786	·789	·663	·629	·742	·769	·836	·833	·911
2 „	·894	·884	·845	·760	·770	·648	·614	·718	·751	·816	·811	·892
3 „	·884	·867	·828	·740	·754	·636	·599	·703	·736	·805	·801	·882
4 „	·883	·864	·824	·732	·740	·631	·587	·695	·737	·809	·802	·883
5 „	·891	·870	·833	·733	·747	·636	·592	·696	·748	·816	·810	·894
6 „	·903	·879	·846	·749	·760	·648	·605	·708	·764	·828	·830	·906
7 „	·923	·897	·862	·764	·771	·662	·618	·725	·778	·848	·849	·925
8 „	·943	·923	·882	·774	·787	·678	·628	·739	·793	·866	·867	·942
9 „	·957	·936	·898	·796	·796	·690	·643	·748	·808	·876	·875	·957
10 „	·956	·940	·903	·806	·799	·693	·654	·754	·803	·875	·871	·957
11 „	·948	·932	·895	·803	·792	·687	·650	·746	·793	·864	·859	·949

TABLE IX.—*Showing the Excess of the Mean Hourly Height of Barometer No. 58, above the Monthly Mean, corrected for Temperature.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·004	0·005	0·005	0·002	0·002	0·004	0·011	0·005	0·002	−0·005	0·000	0·003
1 A. M.	− ·011	− ·004	− ·015	− ·010	− ·011	− ·017	− ·006	− ·008	− ·013	− ·017	− ·014	− ·013
2 „	− ·019	− ·016	− ·026	− ·021	− ·021	− ·030	− ·017	− ·022	− ·026	− ·025	− ·024	− ·025
3 „	− ·030	− ·025	− ·033	− ·027	− ·024	− ·035	− ·024	− ·029	− ·031	− ·027	− ·030	− ·031
4 „	− ·029	− ·026	− ·033	− ·021	− ·018	− ·034	− ·023	− ·027	− ·029	− ·021	− ·027	− ·029
5 „	− ·022	− ·020	− ·018	− ·009	− ·006	− ·025	− ·010	− ·022	− ·014	− ·009	− ·012	− ·017
6 „	− ·004	·000	·004	·010	·015	− ·004	·001	− ·006	·002	·012	·009	·000
7 „	·028	·028	·028	·030	·031	·013	·013	·014	·025	·031	·033	·029
7 „	·051	·049	·051	·053	·044	·026	·030	·032	·042	·052	·057	·050
9 „	·075	·066	·065	·066	·052	·032	·036	·041	·048	·063	·065	·066
10 „	·068	·070	·070	·062	·049	·035	·036	·042	·047	·057	·057	·063
11 „	·046	·053	·051	·049	·039	·028	·031	·034	·036	·036	·038	·045
Noon.	·015	·024	·026	·027	·024	·018	·021	·020	·015	·008	·010	·012
1 P. M.	− ·020	− ·008	− ·007	− ·001	·000	·001	·001	·011	− ·010	− ·018	− ·018	− ·020
2 „	− ·039	− ·034	− ·033	− ·027	− ·019	− ·014	− ·014	− ·013	− ·028	− ·038	− ·040	− ·039
3 „	− ·049	− ·051	− ·050	− ·047	− ·035	− ·026	− ·029	− ·028	− ·043	− ·049	− ·050	− ·049
4 „	− ·050	− ·054	− ·054	− ·055	− ·049	− ·031	− ·041	− ·036	− ·042	− ·045	− ·049	− ·048
5 „	− ·042	− ·048	− ·045	− ·054	− ·042	− ·026	− ·036	− ·035	− ·031	− ·038	− ·041	− ·037
6 „	− ·030	− ·039	− ·032	− ·038	− ·029	− ·014	− ·023	− ·023	− ·015	− ·026	− ·021	− ·025
7 „	− ·010	− ·021	− ·016	− ·023	− ·018	·000	− ·010	− ·006	− ·001	− ·006	− ·002	− ·006
8 „	·010	·005	·004	− ·013	− ·002	·016	·000	·008	·014	·012	·016	·011
9 „	·924	·018	·020	·009	·007	·028	·015	·017	·029	·022	·024	·026
10 „	·023	·022	·025	·019	·010	·031	·026	·023	·024	·021	·020	·026
11 „	·015	·014	·017	·016	·003	·025	·022	·015	·014	·010	·008	·018

TABLE X.—*Showing, for the Year* 1859, *the Mean Height of Standard Barometer, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Height of Standard Barometer.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·815	0·003
1 A. M.	·800	− ·012
2 „	·789	− ·023
3 „	·783	− ·029
4 „	·785	− ·027
5 „	·796	− ·016
6 „	·815	·003
7 „	·839	·027
8 „	·856	·044
9 „	·868	·056
10 „	·866	·054
„	·852	·040
Noon.	·830	·018
1 P. M.	·804	− ·008
2 „	·784	− ·028
3 „	·770	− ·042
4 „	·766	− ·046
5 „	·772	− ·040
6 „	·785	− ·027
7 „	·802	− ·010
8 „	·819	·007
9 „	·832	·020
10 „	·834	·022
11 „	·826	·014

FOR DAY AND NIGHT.

in.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night. 29·806

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 A. M. } or Day.. 29·818

Mean..... 29·812

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 3 A. M.
A maximum at 9 „
A minimum at 4 P. M.
A maximum at 10 „

TABLE XI.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time at which the Mean Height of Standard Barometer corrected for Temperature, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Height of Barometer corrected, was at its				Mean Diurnal Range.	The Time at which the Mean Hourly Height was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·903	30·008	29·883	29·957	0·125	3 A. M.	9 A. M.	4 P. M.	9 P. M.
February	·892	29·988	·864	·940	·124	4 ,,	10 ,,	4 ,,	10 ,,
March	·845	·948	·824	·903	·124	3 ,,	10 ,,	4 ,,	10 ,,
April	·760	·853	·732	·806	·121	3 ,,	9 ,,	4 ,,	10 ,,
May	·765	·841	·740	·799	·101	3 ,,	9 ,,	4 ,,	10 ,,
June	·627	·697	·631	·693	·070	3 ,,	10 ,,	4 ,,	10 ,,
July	·604	·664	·587	·654	·077	3 ,,	10 ,,	4 ,,	10 ,,
August	·702	·773	·695	·754	·078	3 ,,	10 ,,	4 ,,	10 ,,
September	·748	·827	·736	·808	·091	3 ,,	9 ,,	3 ,,	9 ,,
October	·827	·917	·805	·876	·112	3 ,,	9 ,,	3 ,,	9 ,,
November	·821	·916	·801	·875	·115	3 ,,	9 ,,	3 ,,	9 ,,
December	·900	·997	·882	·957	·115	3 ,,	9 ,,	3 ,,	10 ,,

TABLE XII.—*Diurnal Range of Barometer No.* 58, *corrected for Temperature, for each Day of Bombay Civil Time.*

Date 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1		0·112		0·169		0·178	0·059	0·116	0·085	0·141	0·089	0·112
2		·116		·133	0·124	·160	·062	·070	·112		·148	·115
3	0·114	·127	·107		·099	·147		·103	·076	·134	·115	·104
4	·120	·119	·111	·135	·099	·092	·086	·091		·106	·105	
5	·135	·127	·144	·127	·112		·088	·078	·097	·097	·099	·127
6	·120			·104	·110	·093	·103	·068	·091	·089		·139
7	·116	·115	·136	·145	·091	·096	·086		·081	·109	·133	·119
8	·121	·130	·093	·130		·104	·094	·107	·075	·105	·134	·118
9		·113	·117	·134	·098	·115	·085	·104	·089		·118	·125
10	·140	·113	·140		·103	·093		·099	·086	·104	·118	·103
11	·123	·137	·099	·143	·105	·112	·091	·073		·084	·100	
12	·125	·121	·130	·118	·109		·109	·063	·099	·118	·118	·108
13	·112			·116	·103	·105	·099		·099	·124		·118
14	·108	·154	·129	·119	·105	·061	·115		·116	·135	·106	·117
15	·107	·139	·144	·097		·096	·117	·086	·104	·117	·104	·108
16		·141	·132	·126	·092	·096	·127	·109	·098		·114	·098
17	·144	·154	·146		·098	·090		·096	·090	·096	·121	·122
18	·150	·103	·111	·134	·077	·083	·093	·069		·121	·110	
19	·132	·110		·091	·122		·082	·074	·108	·123	·142	·119
20	·116			·112	·121	·062	·090	·091	·126	·120		·168
21	·129	·130	·118	·126	·098	·105	·064		·133	·126	·106	·132
22	·146	·128	·126	·130		·078	·074	·125	·118	·112	·117	·104
23		·114	·103		·063	·062	·091	·110	·100		·129	·118
24	·108	·124	·122			·088		·091	·106	·110	·137	·113
25	·164	·145	·109	·146	·087	·073	·121	·089		·108	·125	
26	·129	·151	·123	·145	·106		·100	·100	·121		·115	
27	·125	·121		·146	·133	·062	·082	·091	·125	·114	·111	·117
28	·125	·124	·164	·136	·085	·071		·098	·120	·121		·125
29	·149		·135	·119	·144	·072	·077		·102	·144	·154	·107
30			·171	·140		·069	·093	·094	·096		·135	·120
31	·110		·163		·104			·079		·109		·135

TABLE XIII.—*Showing the Greatest and Least Height of Standard Barometer in Simple Hourly Observations in each Month, during the Year* 1859.

Months, 1859.	Greatest Height of Barometer.				Least Height of Barometer.			
	Day and Hour.	Greatest Height of Barometer.	Normal Mean.	Difference.	Day and Hour.	Least Height of Barometer.	Normal Mean.	Difference.
	D. H.	in.	in.	in.	D. H.	in.	in.	in.
January	17 9 A. M.	30·047	30·007	0·040	26 3 P. M.	29·816	29·878	−0·062
February	12 10 „	·051	29·989	·062	26 4 „	·802	·849	− ·047
March	28 9 „	·014	·904	·110	5 4 „	·752	·837	− ·081
April	1 9 „	29·981	·898	·083	27 4 „	·588	·735	− ·147
May	2 9 „	·945	·856	·089	31 4 „	·595	·686	− ·091
June	25 11 „	·778	·680	·098	13 3 A. M.	·516	·642	− ·126
July	5 11 „	·795	·669	·126	16 4 P. M.	·437	·590	− ·153
August	8 9 „	·918	·747	·171	26 4 „	·584	·711	− ·127
September	20 10 „	·919	·840	·079	28 3 „	·639	·766	− ·127
October	28 9 „	30·008	·917	·091	3 3 „	·599	·777	− ·178
November	1 9 „	29·975	·916	·059	30 3 „	·713	·841	− ·128
December	24 9 „	30·061	·957	·104	1 3 A. M.	·773	·842	− ·069

TEMPERATURE.

TABLE XIV.—*Showing, for each Month, the Mean Temperature of External and Free Air; and its Differences from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Temperature of External and Free Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.	
January	74°6	0°6		
February	76·6	0·8		
March	79·3	− 0·7		
April	84·5	1·3		
May	85·2	− 0·4		
June	84·1	0·9		
July	82·5	1·3		
August	80·4	− 0·1		
September	79·9	− 0·3		
October	80·3	− 1·3		
November	80·5	1·0		
December	74·2	− 1·6		
			Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	77°6
			Mean of {April, May, June, July, Aug. Sept.} or Summer	82·8
			Mean of the year	80·2
			Greatest monthly mean, in May	85·2
			Least monthly mean, in December	74·2
			Difference	11·0

TABLE XV.—*Mean Temperature of External and Free Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	71°3	73°5	76°1	81°4	82°0	81°9	81°1	78°9	77°9	77°6	77°3	71°0
1 A. M.	70·9	73·1	75·7	80·8	81·7	81·9	80·8	78·7	77·8	77·3	76·6	70·4
2 „	70·4	72·7	75·4	80·4	81·5	81·8	80·5	78·5	77·6	77·0	76·5	69·9
3 „	70·2	72·8	74·9	80·0	81·2	81·7	80·3	78°3	77·5	76·7	76·2	69·2
4 „	69·9	71·7	74·5	79·7	80·9	81·4	80·1	78·2	77·4	76·4	76·1	69·3
5 „	69·6	71·5	74·0	79·6	80·8	81·2	80·0	78·3	77·2	76·2	75·9	68·8
6 „	69·0	71·0	73·8	79·5	81·2	81·2	79·8	78·3	77·2	75·9	75·7	68·6
7 „	69·1	71·5	75·4	82·2	83·6	82·3	80·9	78·9	78.1	77·7	76·6	68·8
8 „	71·9	74·5	78·1	84·5	85·6	83·7	82·3	80·2	79·4	79·5	78·9	71·8
9 „	74·5	76·6	80.6	86·5	87·2	85·2	83·6	81·3	81·0	81·1	81·2	74·2
10 „	76·8	79·1	82·8	88·0	88·3	86·4	84·1	82·1	82·0	82·4	83·0	76·2
11 „	78·9	80·8	84·2	89·2	89·4	87·5	84·7	82·9	82·8	83·5	84·9	78·2
Noon.	81·0	82·2	85·2	89·9	90·2	88·0	85·2	83·4	83·3	84·5	86·6	80·0
1 P. M.	81·6	83·0	85·7	90·4	90·5	88·6	86·0	83·3	83·9	85·3	87·4	81·2
2 „	81·8	83·3	85·6	90·6	91·1	88·1	86·4	83·5	83·9	85·6	87·4	81·6
3 „	81·5	83·0	85·4	90·3	90·4	87·5	85·5	83·1	83·6	85·5	87·0	81·3
4 „	80·2	82·7	84·6	89·8	89·6	87·1	85·0	82·2	82·8	84·7	85·6	80·0
5 „	78·5	81·1	82·9	87·6	87·6	85·6	83·9	81·6	81·3	82·7	83·0	77·7
6 „	76·1	78·1	80·0	85·0	85·8	84·5	83·1	80·6	80·0	80·9	81·1	76·1
7 „	75·2	76·9	78·9	83.3	84·1	83·4	82·1	79·8	79·0	80·3	80·6	75·3
8 „	74·7	76·2	78·4	82·7	83·5	82·8	81·7	79·6	78·6	79·8	80·2	74·6
9 „	73·9	75·6	77·9	82·4	83·2	82·6	81·5	79·4	78·6	79·3	79·2	73·4
10 „	72.7	74·9	77·2	81·9	83·0	82·4	81·2	79·2	78·4	78·7	78·0	72·1
11 „	71·9	74·1	76·9	81·4	82·7	82·3	81·1	79·0	78·2	78·1	77·4	71·3

TABLE XVI.—*Excess of the Mean Hourly Temperature of External and Free Air, above the Mean Monthly Value.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 3·4	- 3·2	- 3·2	- 3·1	- 3·2	- 2·2	- 1·4	- 1·4	- 1·9	- 2·7	- 3·3	- 3·3
1 A. M.	- 4·8	- 3·6	- 3·6	- 3·6	- 3·5	- 2·2	- 1·8	- 1·7	- 2·1	- 3·0	- 3·9	- 3·8
2 „	- 4·2	- 4·0	- 4·0	- 4·1	- 3·7	- 2·3	- 2·0	- 1·6	- 2·3	- 3·3	- 4·1	- 4·3
3 „	- 4·4	- 3·8	- 4·4	- 4·4	- 4·0	- 2·4	- 2·2	- 2·1	- 2·4	- 3·6	- 4·3	- 5·0
4 „	- 4·7	- 4·9	- 4·9	- 4·9	- 4·3	- 2·7	- 2·4	- 2·2	- 2·5	- 3·9	- 4·5	- 4·9
5 „	- 5·1	- 5·2	- 5·3	- 4·9	- 4·5	- 2·9	- 2·6	- 2·1	- 2·7	- 4·1	- 4·7	- 5·4
6 „	- 5·7	- 5·6	- 5·5	- 4·9	- 4·1	- 2·9	- 2·8	- 2·1	- 2·7	- 4·3	- 4·8	- 5·6
7 „	- 5·6	- 5·2	- 4·0	- 2·3	- 1·6	- 1·8	- 1·6	- 1·5	- 1·8	- 2·6	- 3·9	- 5·4
8 „	- 2·8	- 2·2	- 1·2	0·0	0·4	- 0·4	- 0·2	- 0·2	- 0·5	- 0·8	- 1·6	- 2·4
9 „	- 0·1	- 0·1	1·3	2·0	1·9	1·1	1·0	0·9	1·0	0·8	0·7	0·0
10 „	1·2	2·5	3·5	3·5	3·1	2·3	1·6	1·7	2·1	2·1	2·5	2·0
11 „	4·2	4·1	4·9	4·8	4·2	3·4	2·2	2·5	2·9	3·2	4·3	3·9
Noon.	6·3	5·5	5·9	5·4	5·0	3·9	2·7	3·0	3·5	4·2	6·1	5·8
1 P.M.	6·9	6·4	6·4	5·9	5·3	4·5	3·4	2·9	4·0	5·1	6·9	7·0
2 „	7·1	6·6	6·3	6·2	5·9	4·0	3·9	3·1	4·0	5·3	6·9	7·3
3 „	6·9	6·3	6·0	5·9	5·2	3·4	2·9	2·7	4·3	5·3	6·5	7·1
4 „	5·6	6·1	5·3	5·3	4·4	3·0	2·4	1·8	2·9	4·4	5·1	5·8
5 „	3·8	4·5	3·6	3·1	2·4	1·5	1·4	1·2	1·4	2·5	2·5	3·5
6 „	1·4	1·4	0·7	0·6	0·6	0·4	0·6	0·2	0·1	0·6	0·6	1·9
7 „	0·6	0·2	- 0·5	- 1·1	- 1·1	- 0·7	- 0·5	- 0·6	- 0·9	0·0	0·1	1·0
8 „	0·0	- 0·4	- 1·0	- 1·8	- 1·7	- 1·3	- 0·8	- 0·8	- 1·2	- 0·5	- 0·7	0·4
9 „	- 0·8	- 1·1	- 1·4	- 2·1	- 2·0	- 1·6	- 1·0	- 1·0	- 1·3	- 1·0	- 1·3	- 0·8
10 „	- 2·0	- 1·7	- 2·1	- 2·6	- 2·2	- 1·7	- 1·3	- 1·2	- 1·5	- 1·6	- 2·6	- 2·2
11 „	- 2·7	- 2·5	- 2·4	- 3·0	- 2·5	- 1·8	- 1·5	- 1·4	- 1·7	- 2·1	- 3·2	- 3·0

TABLE XVII.—*Showing, for the Year* 1859, *the Mean Temperature of External and Free Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of External and Free Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	77°5	− 2°7	
1 A. M.	77·1	− 3·1	
2 „	76·9	− 3·3	
3 „	76·6	− 3·6	
4 „	76·3	− 3·9	
5 „	76·1	− 4·1	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3 4, 5 A. M. } or Night.. 78°0
6 „	75·9	− 4·3	
7 „	77·1	− 3·1	
8 „	79·2	− 1·0	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.. 82·4
9 „	81·1	0·9	
10 „	82·6	2·4	
11 „	83·9	3·7	Mean..... 80·2
Noon.	85·0	4·8	
1 P. M.	85·6	5·4	
2 „	85·7	5·5	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	85·3	5·1	
4 „	84·5	4·3	A minimum at 6 A. M.
5 „	82·8	2·6	A maximum at 2 P. M.
6 „	80·9	0·7	
7 „	79·9	− 0·3	
8 „	79·4	− 0·8	
9 „	78·9	− 1·3	
10 „	78·3	− 1·9	
11 „	77·9	− 2·3	

TABLE XVIII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time at which the Mean Temperature of External and Free Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Free Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°8	69°0	12°8	2 P. M.	6 A. M.
February	83·3	71·0	12·3	2 „	6 „
March	85·7	73·8	11·9	1 „	6 „
April	90·6	79·5	11·1	2 „	6 „
May.....	91·1	80·8	10·3	2 „	5 „
June.....	88·6	81·2	7·4	1 „	5 „
July.....	86·4	79·8	6·6	2 „	6 „
August.....	83·5	78·2	5·3	2 „	4 „
September	83·9	77·2	6·7	1 „	6 „
October	85·6	75·9	9·7	2 „	6 „
November	87·4	75·7	11·7	2 „	6 „
December	81·6	68·6	13·0	2 „	6 „

TABLE XIX.—*Diurnal Range of the Temperature of External and Free Air, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		13°4		10°8		10°4	9°6	4°2	8°8	10°7	13°6	7°8
2		12·2		13·2	12°2	15·2	10·0	4·4	7·6		11·0	11·0
3	8°8	13·0	8°7		11·4	9·2		7·4	6·0	10·8	12·2	17·8
4	10·9	14·4	10·5	12·2	12·6	12·0	9·8	8·2		11·0	11·6	
5	15·4	13·6	12·5	16·5	10·9		9·0	6·4	8·0	8·5	13·0	15·6
6	18·3			11·9	10·2	8·5	10·2	7·6	7·4	8·3		14·0
7	15·1	8·2	11·6	11·4	12·8	6·2	10·4		5·3	6·4	13·5	15·0
8	14·4	11·3	10·2	12·0		9·2	9·1	8·2	8·0	9·2	13·1	16·4
9		12·6	10·0	12·0	9·9	10·0	9·8	10·0	6·4		12·0	16 4
10	17·6	12·8	11·5		8·7	9·6		8·1	7·4	9·9	14·4	12·5
11	14·6	14·7	11·5	11·0	9·2	6·5	11·6	8·4		9·2	13·8	
12	13·4	17·1	10·8	13·2	8·6		10·6	9·2	6·3	10·2	10·1	10·0
13	12·9			12·9	8·0	9·4	11·0		8·2	9·4		13 0
14	14·2	20·8	13·5	11·0	8·1	8·0	10·4		7·8	9·4	9·6	13 4
15	12·4	22·0	16·2	13·2		7·3	10·0	9·4	9·3	9·0	10·8	13·6
16		14·8	14·9	10·6	9·2	7·2	11·1	6·3	10·0		13·4	16·4
17	15·2	12·8	13·5		8·7	9·0		8·8	7·3	10·3	13·3	14·4
18	15·6	13·0	11·2	11·7	10·4	9·4	2·6	10·4		9·8	14·0	
19	12·6	10·6		12·6	11·8		5·3	9·6	6·8	9 9	9·9	11·6
20	15·0			12·6	11·3	8·0	5·8	7·4	5·7	10·8		15·4
21	20·4	9·6	24·3	9·3	11·2	8·6	6·3		8·5	9·2	16·8	14·8
22	15·4	7·8	11·0	9·9		9·1	4·5	6·7	9·8	9·6	14·2	16·3
23		10·8	11·6		10·8	8·0	3·9	2·6	11·4		13 4	12 0
24	13·2	11·4	13·2			5·8		3·5	9·6	10·1	7·8	9·8
25	10·6	12·8	13·4	11·9	11·3	9·6	6·6	2·8		11·8	11·7	
26	11·8	12·0	9·8	10·4	9·0		5·0	3·3	10·3		13·9	
27	8·9	11·7		10·6	10·3	8·2	5·5	3·7	9·8	9·9	14·9	17·3
28	12·0	9·4	10·5	14·4	8·9	8·0		5·3	9·8	13·0		14·4
29	9·8		13·6	11·6	8·4	9·4	6·3		9·8	13 8	13·1	14 9
30			13·4	10·6		9·9	4·5	7·6	10·0		14·0	14·9
31	15·4		13·5		12·7			7·1		15·8		14·9

TABLE XX.—*Showing the Greatest and Least Temperature of External and Free Air, in simple Hourly Observations, during the Year* 1859.

Months, 1859.	Greatest Temperature of Air.				Least Temperature of Air.			
	Day and Hour.	Greatest Temperature of Air.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Air.	Normal Mean.	Difference.
	D. H.				D. H.			
January	21 3 P.M.	91°0	81°8	9°2	5 7 A.M.	62°6	69°7	−7°1
February	15 1 ,,	94·4	83·0	11·4	12 6 ,,	65·3	70·8	−5·5
March	21 Noon.	98·4	86·1	12·3	5 4 ,,	69·7	73·6	−3·9
April	28 ,,	97·4	90·0	7·4	2 6 ,,	77·2	77·2	0·0
May	31 1 P.M.	95·2	89·5	5·7	7 5 ,,	78·4	80·5	−2·1
June	2 1 ,,	94·8	89·3	5·5	8 1 ,,	75·8	81·9	−6·1
July	7 3 ,,	92·4	86·0	6·4	20 6 ,,	75·4	79·6	−4·2
August	15 3 ,,	87·6	83·1	4·5	24 6 ,,	74·8	78·0	−3·2
September	24 3 ,,	87·6	84·2	3·4	23 5 ,,	75·0	77·0	−2·0
October	31 2 ,,	91·3	86·5	4·8	18 4 ,,	73·2	76·4	−3·2
November	18 3 ,,	91·1	86·4	4·7	30 4 ,,	70·8	72·7	−1·9
December	27 2 ,,	86·8	80·1	6·7	3 6 ,,	62·0	71·4	−9·4

TABLE XXI.—*Mean Temperature of Air confined within the Observatory, as obtained from the Thermometer of Large Horizontal Force Magnetometer, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		78°0		84°5		90°1	87°3	81°8	82°3	85°5	83°2	79°6
2		78·4		86·6	87°1	89·3	87·2	81·3	82·9		82·8	75·6
3	77°1	78·3	78°4		87·0	86·7		82·1	81·9	84·2	82·8	73·6
4	75·9	79·9	77·6	86·4	86·9	88·9	87·0	82·2		84·9	82·9	
5	73·0	81·7	78·0	86·8	86·3		86·9	82·4	80·8	85·2	83·0	77·8
6	75·0			86·9	86·2	84·4	87·5	82·4	81·1	85·1		77·7
7	78·2	79·0	73·2	86·2	86·0	82·2	88·0		80·5	84·1	83·8	76·8
8	79·5	77·1	78·1	86·2		82·5	87·6	83·1	80·8	83·3	84·1	77·3
9		77·0	79·1	86·4	86·4	83·7	87·7	83·3	81·1		84·3	79·1
10	79·0	76·6	80·4		86·3	84·7		83·5	80·9	83·1	84·2	78·3
11	78·7	76·6	80·7	86·0	86·0	83·8	86·6	83·6		82·7	84·8	
12	78·6	76·4	79·9	86·3	86·1		86·7	83·5	81·4	82·6	85·3	78·7
13	77·7			86·5	85·8	83·2	86·5		81·6	81·9		79·3
14	77·3	78·7	78·3	87·2	85 8	84·3	86·8	83·8	82·0	81·3	84·2	78·2
15	77·1	71·8	79·5	86·2		85·4	86·5	83·8	82·3	81·7	83·6	77·5
16		82·5	76·9	85·5	86·0	85·8	85·5	83·4	82·5		83·0	77·8
17	78·5	82·1	81·2		86·0	86·1		83·6	82·5	81·1	84·3	78·5
18	78·7	80·8	79·8	85·1	86·1	85·9	81·3	84·0		80·4	86·5	
19	77·4	79·9		85·4	86·4		80·4	84·3	81·9	80·5	84·3	77·9
20	77·1			85·3	87·0	86·2	80·5	84·2	81·9	81·2		76·5
21	79·5	79·3	82·9	85·0	87·7	86·5	81·7		82·2	81 6	84·5	76·9
22	80.8	78·5	83·7	85·5		86·8	81·1	82·0	81·9	81·6	84·9	78·1
23		77·9	82·9		87·2	86·8	81·0	80·8	82·0		84·1	78·4
24	79·9	76·7	82·2			86·4		79·2	84·0	83·2	84·3	78·8
25	78·3	78·6	83·1	86·9	87·5	86·5	82·7	79·3		82·9	84·4	
26	76·6	80·5	84·2	87·6	87·4		81·5	78·8	83·2		84·4	
27	75·9	81·3		87 9	87·9	86·5	81·2	79·4	82·6	82·7	84·1	78·6
28	76·4	80·2	84·7	88·6	88·7	86·4		80·3	83·0	82·5		78·1
29	76·6		83·7	88·3	89·1	86·8	82·3		83·2	82·3	81·3	78·0
30			83·1	88·0		87·3	81·6	81·3	83·8		81·2	76·9
31	76·4		84·7		89·7			82·0		83·2		75·9

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Air within the Observatory; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°6	−4°9	Mean of {Jan., Feb., March, / Oct., Nov., Dec.,} or Winter .... 80°3
February.....	79·1	−3·4	
March.....	80·9	−1·6	
April	86·5	4·0	Mean of {April, May, June, / July, Aug., Sept.,} or Summer.... 84·7
May	86·9	4·4	
June	85·9	3·4	
July	84·5	2·0	Mean of the year..... 82·5
August.....	82·1	−0·4	
September	82·1	−0·4	Greatest monthly mean, in May ..... 86·9
October	82·8	0·3	Least monthly mean, in January ..... 77·6
November	83·9	1·4	
December.....	77·8	−4·7	Difference..... 9·3

TABLE XXIII.—*Mean Temperature of Air confined within the Observatory, as shown by the Thermometer of Large Horizontal Force Magnetometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	76°2	78°1	80°1	85°5	85°8	85°1	84°1	81°4	81°2	81°8	82°5	76°5
1 A. M.	76·1	77·7	79·9	85·3	85·6	84·9	83·9	81·4	81·0	81·6	82·2	76 2
2 „	75·8	77·4	79 6	85·1	85·4	84·7	83·7	81·2	80·9	81·3	82·1	75·9
3 „	75·5	77·1	79·3	84·8	85·2	84·6	83·6	81·1	80·8	81·1	81·9	75·5
4 „	75·3	76·8	79·1	84·5	85·0	84·4	83·5	81·0	80·7	80·9	81·5	75·3
5 „	74 9	76·4	78·8	84·3	85·0	84·4	83·3	81·1	80·6	80·7	81·2	75·0
6 „	74·5	76·1	78·5	84·3	85·0	84·3	83·2	81·0	80 5	80·6	81·1	74·7
7 „	74·2	76	78·6	84·7	85·4	84·5	83 4	81·1	80·7	80·8	81·2	74·6
8 „	74·9	76·5	79·0	84·9	85·9	84·9	83 8	81 5	81·1	81·5	81·9	75·3
9 „	76·2	77·7	79·9	85·9	86·6	85·6	84·3	82·0	81·8	82·4	83 1	76 6
10 „	77·5	79·1	81·2	86·7	87·4	86 2	84·5	82·6	82·5	83·5	84·4	77·3
11 „	79 8	80·3	82·3	87·5	88·0	86·8	85·2	83·1	83·2	84·3	85·6	79·3
Noon.	80·2	81·3	83·2	88·2	88·6	87·2	85·7	83·4	83·7	84·9	86·7	80·4
1 P. M.	81·1	82 0	83·8	88·8	89 0	87·6	85·9	83·6	84·0	85·2	87·4	81·2
2 „	81·7	83·0	84·1	89·1	89·2	87·7	86·2	83·8	84·2	85·7	87·3	81·7
3 „	81·6	82·7	84 2	89·1	89·3	87·7	86·1	83·7	84·2	85 6	87·2	81·6
4 „	81·2	82·4	83·8	89·1	89 2	87·6	85 6	83·4	83·9	85 1	86·8	81·0
5 „	80·0	81·1	83·2	88·5	88·8	87·3	85·6	83·1	83·2	84·3	85·7	80·0
6 „	79·1	80·7	82·4	87·7	88·0	86·9	85·1	82·7	82·6	83·5	84·6	79·0
7 „	78·4	79·8	81·6	86·9	87·3	86·4	84·6	82·2	82·1	83·0	84·1	78·5
8 „	77·9	79·4	81·4	86·4	86·9	86·0	84·4	82·1	81·8	82·6	83·7	78·0
9 „	77·5	79·0	81·2	86·1	86·6	85·7	84·2	81·9	81·7	82·4	83·4	77·5
10 „	77·1	78·7	80·9	85·9	86 4	85·6	84·1	81·7	81·6	82·2	83·0	76·9
11 „	76·6	78·7	80·7	85·7	86·2	85·4	83·9	81·6	81·4	81·9	82·7	76·5

TABLE XXIV.—*Excess of Mean Hourly Temperature of Air confined within the Observatory above the Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-1·4	-1·0	-0·8	-1·0	-1·1	-0·8	-0·4	-0·7	-0·9	-1·0	-1·4	-1·3
1 A. M.	-1·5	-1·4	-1·0	-1·2	-1·3	-1·0	-0·6	-0·7	-1·1	-1·2	-1·7	-1·6
2 „	-1·8	-1·7	-1·3	-1·4	-1·5	-1·2	-0·8	-0·9	-1·2	-1·5	-1·8	-1·9
3 „	-2·1	-2·0	-1·6	-1·7	-1·7	-1·3	-0·9	-1·0	-1·3	-1·7	-2·0	-2·3
4 „	-2·3	-2·3	-1·8	-2·0	-1·9	-1·5	-1·0	-1·1	-1·4	-1·9	-2·4	-2·5
5 „	-2·7	-2·7	-2·1	-2·2	-1·9	-1·5	-1·2	-1·0	-1·5	-2·1	-2·7	-2·8
6 „	-3·1	-3·0	-2·4	-2·2	-1·9	-1·6	-1·3	-1·1	-1·6	-2·2	-2·8	-3·1
7 „	-3·4	-3·1	-2·3	-1·8	-1·5	-1·4	-1·1	-1·0	-1·4	-2·0	-2·7	-3·2
8 „	-2·7	-2 6	-1·9	-1·6	-1·0	-1·0	-0·7	-0·6	-1·0	-1·3	-2·0	-2·5
9 „	-1·4	-1·4	-1·0	-0·6	-0·3	-0·3	-0·2	0·1	-0·3	-0·4	-0·8	-1·2
10 „	-0·1	0·0	0·3	0·2	0·5	0·3	0·0	0·5	0·4	0·7	0 5	-0·5
11 „	2·2	1·2	1·4	1·0	1·1	0·9	0·7	1·0	1·1	1·5	1·7	1·5
Noon.	2·6	2·2	2·3	1·7	1·7	1·3	1·2	1·3	1·6	2·1	2·8	2·6
1 P. M.	3·5	2·9	2·9	2·3	2·1	1·7	1·4	1·5	1·9	2·4	3·5	3·4
2 „	4·1	3·9	3·2	2·6	2·3	1·8	1·7	1·7	2·1	2·9	3·4	3·9
3 „	4·0	3·6	3·3	2·6	2·4	1·8	1·6	1·6	2·1	2·8	3·3	3·8
4 „	3·6	3·3	2·9	2·6	2·3	1·7	1·1	1·3	1·8	2·3	2·9	3·2
5 „	2·4	2·0	2·3	2·0	1·9	1·4	1·1	1·0	1·1	1·5	1·8	2 2
6 „	1·5	1·6	1·5	1·2	1·1	1·0	0·6	0·6	0·5	0·7	0·7	1 2
7 „	0·8	0·7	0·7	0·4	0·4	0·5	0·1	0·1	0·0	0·2	0·2	0·7
8 „	0·3	0·3	0·5	-0·1	0·0	0·1	-0·1	0·0	-0·3	-0·2	-0·2	0·2
9 „	-0·1	-0·1	0·3	-0·4	-0·3	-0·2	-0·3	-0·2	-0·4	-0·4	-0·5	-0·3
10 „	-0·5	-0·4	-0·0	-0·6	-0·5	-0·3	-0·4	-0·4	-0·5	-0·6	-0·9	-0·9
11 „	-1·0	-0·4	-0·2	-0·8	-0·7	-0·5	-0·6	-0·5	-0·7	-0·9	-1·2	-1·3

TABLE XXV.—*Showing, for the Year* 1859, *the Mean Hourly Temperature of Air confined within the Observatory, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Air confined within the Observatory.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	81°5	− 1°0	
1 A. M.	81·3	− 1·2	
2 „	81·1	− 1·4	
3 „	80·9	− 1·6	
4 „	80·7	− 1·8	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night... 81°8
5 „	80·5	− 2·0	
6 „	80·3	− 2·2	
7 „	80·4	− 2·1	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day.... 83·2
8 „	80·9	− 1·6	
9 „	81·5	− 1·0	Mean..... 82·5
10 „	82·7	0·2	
11 „	83·6	1·1	
Noon.	84·5	2·0	
1 P. M.	85·0	2·5	
2 „	85·3	2·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	85·2	2·7	
4 „	84·9	2·4	A minimum at 6 A. M.
5 „	84·2	1·7	A maximum at 2 P. M.
6 „	83·5	1·0	
7 „	82·9	0·4	
8 „	82·5	0·0	
9 „	82·3	− 0·2	
10 „	82·0	− 0·5	
11 „	81·8	− 0·7	

TABLE XXVI.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time at which the Mean Temperature of Air within the Observatory in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Air, within the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air, within the Observatory was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°7	74°2	7°5	2 P. M.	7 A. M.
February.....	83·0	76·0	7·0	2 „	7 „
March.....	84·2	78·5	5·7	3 „	6 „
April	89·1	84·3	4·8	3 „	6 „
May.....	89·3	85·0	4·3	3 „	6 „
June	87·7	84·3	3·4	3 „	6 „
July.....	86·2	83·2	3·0	2 „	6 „
August.....	83·8	81·0	2·8	2 „	6 „
September	84·2	80·5	3·7	2 „	6 „
October	85·7	80·6	5·1	2 „	6 „
November	87·4	81·1	6·3	1 „	6 „
December	81·7	74·6	7·1	2 „	7 „

TABLE XXVII.—*Showing, for each Month, the Mean Temperature of Air in Contact with the Surface of the Ground; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Air in Contact with the Surface of the Ground.	Difference from the Mean of the Year.	FOR SEASONS.
January	74°4	− 5°5	
February	76·2	− 3·7	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter ..... 77°3
March	78·8	− 1·1	
April	83·9	4·0	
May	84·7	4·8	Mean of { April, May, June, July, Aug. Sept. } or Summer ..... 82·5
June	83·9	4·0	
July	82·4	2·5	Mean of the year ..... 79·9
August	80·2	0·3	
September	79·7	0·2	Greatest monthly mean, in May ..... 84·7
October	79·9	0·0	Least monthly mean, in December ..... 74·1
November	80·2	0·3	
December	74·1	− 5·8	Difference ..... 10·6

TABLE XXVIII.—*Mean Temperature Air in Contact with the Surface of the Ground, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	71·9	73·9	76·1	81·6	82·2	81·9	81·4	79·2	78·1	77·9	77·8	71·7
1 A.M.	71·3	73·4	76·0	81·1	82 0	81·9	81·0	78·9	78·0	77·7	77·2	71·3
2 „	71·0	73·1	75·5	80·6	81·9	82·0	80·9	78·8	77·9	77·3	77·0	70·8
3 „	70·8	72·8	75·2	80·2	81·6	81·9	80·7	78·6	77·7	77·2	76·8	70·0
4 „	70·7	72 3	74·9	79·9	81·4	81·5	80·6	78·6	77·8	76·8	76·6	70·0
5 „	70·2	71·9	74·4	79·8	81·1	81·4	80·4	78·6	77·5	76·7	76·4	69·7
6 „	69·6	71·5	74·1	79·8	81·5	81·5	80·1	78·5	77·5	76·4	76·2	69·6
7 „	69·7	72·0	75·6	82·0	83·6	82 5	81·1	79·0	78·3	77·8	77·0	69·6
8 „	71·9	74·4	77·8	83·9	85·0	83·8	82·3	79·9	79·3	79·2	78·9	72·0
9 „	74·1	76·2	79·7	85·3	86·0	84·9	83·3	80·9	80·4	80·5	80·6	73·9
10 „	76·0	77·6	81·2	86·3	86·9	85·9	83·7	81·6	81·3	81·7	82·0	75·6
11 „	77·7	79·3	82·4	87·2	87·6	86·6	84·1	82·2	81·9	82·4	83·4	77·2
Noon.	79·3	80·3	83·3	87·7	88·2	86·9	84·3	82·5	82·3	83·2	84·4	78·7
1 P.M.	79·8	81·1	83·8	88·2	88·6	87·5	85·0	82·4	82 8	83·9	85·3	79·5
2 „	80·0	81·5	83·9	88·7	88·8	87·2	85·5	82·7	82·8	84·1	85·5	79·7
3 „	79·9	81·3	83·8	88·6	88·6	87·0	84·8	82·3	82 4	83·9	85·3	79·6
4 „	79·3	80·9	83·4	88·1	88·0	86·4	84·4	81·5	81·8	82·9	84·2	79·0
5 „	77·7	80·1	81 8	86·5	86·7	85·2	83·6	81·1	80·7	81·7	82·1	77·2
6 „	75·9	77·8	79·7	84·7	85·6	84·4	83·0	80·3	79·7	80·6	81·0	76·0
7 „	75·3	77·0	78·8	83·3	84·1	83·6	82·2	79·6	79·3	80·1	80·5	75·3
8 „	74·8	76·2	78·4	82·8	83·6	82·9	81·9	79.6	78·8	79·8	80·1	74·8
9 „	74·0	75·8	77·9	82·5	83·3	82·7	81·3	79·5	78·7	79·4	79·3	73·8
10 „	73·1	75·1	77·4	82·0	83·1	82·5	81·4	79·4	78 5	78·8	78·5	72·7
11 „	72·0	74·5	77·0	81·7	82·8	82·4	81·3	79·2	78·3	78·4	78·0	72·0

TABLE XXIX.—*Excess of the Mean Hourly Temperature of Air in Contact with the Surface of the Ground, above its Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-2°5	-2°4	-2°7	-2°2	-2°5	-2°1	-2°1	-1°0	-1·5	-2°1	-2°4	-2°4
1 A. M.	-3·1	-2·8	-2·9	-2·7	-2·6	-2·0	-1·4	-1·2	-1·7	-2·3	-3·0	-2·8
2 „	-3·5	-3·2	-3·3	-3·2	-2·8	-1·9	-1·6	-1·4	-1·8	-2·6	-3·3	-3·3
3 „	-3·7	-3·4	-3·6	-3·6	-3·1	-2·1	-1·8	-1·6	-1·9	-2·7	-3·4	-3·9
4 „	-3·7	-4·0	-4·0	-4·0	-3·3	-2·4	-1·9	-1·6	-1·9	-3·1	-3·6	-4·1
5 „	-4·2	-4·4	-4·4	-4·1	-3·6	-2·5	-2·0	-1·6	-2·2	-3·3	-3·8	-4·5
6 „	-4·8	-4·8	-4·7	-4·1	-3·2	-2·4	-2·4	-1·7	-2·2	-3·5	-4·0	-4·6
7 „	-5·7	-4·2	-3·3	-1·9	-1·1	-1·5	-1·3	-1·2	-1·4	-2·1	-3·2	-4·6
8 „	-2·5	-1·9	-1·1	0·0	0·2	-0·2	-0·2	0·3	0·4	-0·7	-1·3	-2·2
9 „	0·2	0·0	0·8	1·4	1·3	1·0	0·9	0·8	0·8	0·6	0·4	-0·3
10 „	1·6	1·3	2·4	2·9	2·2	2·0	1·2	1·4	1·6	1·7	1·8	1·2
11 „	3·3	3·1	3·6	3·4	2·9	2·7	1·7	2·0	2·8	2·5	3·2	3·0
Noon.	4·9	4·1	4·4	3·8	3·5	3·0	1·9	2·3	2·7	3·3	4·3	4·5
1 P. M.	5·4	4·9	4·9	4·4	3·9	3·6	2·6	2·3	3·2	4·0	5·2	5·3
2 „	5·6	5·2	5·0	4·8	4·1	3·8	3·0	2·5	3·1	4·2	5·3	5·5
3 „	5·5	5·0	4·9	4·7	3·9	3·1	2·4	2·1	2·7	4·0	5·1	5·5
4 „	4·9	4·7	4·6	4·3	3·8	2·5	2·0	1·3	2·2	3·0	4·0	4·8
5 „	3·3	3·9	3·0	2·6	2·0	1·3	1·2	0·9	1·0	1·8	2·0	3·1
6 „	1·5	1·5	0·8	0·9	0·9	0·5	0·6	0·1	0·0	0·7	0·8	1·8
7 „	0·9	0·8	0·1	-0·6	-0·6	-0·3	-0·3	-0·5	-0·5	-0·2	0·4	1·2
8 „	0·4	0·0	-0·4	-1·1	-1·1	-1·0	-0·5	-0·7	-0·8	-0·1	-0·1	0·6
9 „	-0·4	-0·8	-0·9	-1·4	-1·4	-1·2	-0·8	-0·8	-0·9	-0·7	-0·9	-0·4
10 „	-1·3	-1·1	-1·5	-1·8	-1·6	-1·4	-1·0	-0·8	-1·2	-1·1	-1·7	-1·5
11 „	-2·4	-1·8	-1·9	-2·2	-1·9	-1·5	-1·2	-1·0	-1·4	-1·6	-2·1	-2·2

TABLE XXX.—*Showing, for the Year* 1859, *the Mean Temperature of Air, in Contact with the Surface of the Ground, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Air in Contact with the Surface of the Ground.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	77°8	- 2°1	
1 A. M.	77·5	- 2·4	
2 „	77·2	- 2·7	
3 „	76·9	- 3·0	
4 „	76·8	- 3·1	
5 „	76·5	- 3·4	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3 4, 5 A. M. } or Night.. 78°2
6 „	76·4	- 3·5	
7 „	77·3	- 2·6	
8 „	79·0	- 0·9	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .. 81·5
9 „	80·5	0·6	
10 „	81·6	1·7	Mean..... 79·9
11 „	82·7	2·8	
Noon.	83·4	3·5	
1 P. M.	84·0	4·1	
2 „	84·2	4·3	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	84·0	4·1	
4 „	83·3	3·4	A maximum at 2 P. M.
5 „	82·0	2·1	A minimum at 6 A. M.
6 „	80·7	0·8	
7 „	79·9	0·0	
8 „	79·5	- 0·4	
9 „	79·1	- 0·8	
10 „	78·5	- 1·4	
11 „	78·1	- 1·8	

TABLE XXXI.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Temperature of Air in Contact with the Surface of the Ground, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Air in Contact with the Ground.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air in Contact with the Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°0	69°6	10°4	2 P. M.	6 A. M.
February.....	81.5	71·5	10·0	2 „	6 „
March	83·9	74·1	9·8	2 „	6 „
April	88·7	79·8	8·9	2 „	6 „
May.....	88·8	81·1	7·7	2 „	5 „
June.....	87·5	81·4	6·1	1 „	5 „
July.....	85·5	80·1	5·4	2 „	6 „
August.....	82·7	78·5	4·2	2 „	6 „
September	82·8	77·5	5·3	2 „	6 „
October	84·1	76·4	7·7	2 „	6 „
November	85·5	76·2	9·3	2 „	6 „
December	79·7	69·6	10·1	2 „	6 „

TABLE XXXII.—*Showing, for each Month, the Mean Temperature of Ground Six Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Ground Six Inches below its Surface.	Difference from the Mean of the Year.	For Seasons.
January	75°4	−5°2	
February.....	76·7	−3·9	
March.....	78·9	−1·7	
April	83·6	3·0	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .... 78°1
May	84·6	4·0	
June	84·4	3·8	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 83·0
July	83·6	3·0	
August.....	81·2	0·6	Mean of the year..... 80·6
September	80·6	0·0	
October	80·8	0·2	Greatest monthly mean, in May ..... 84·6
November	80·8	0·2	Least monthly mean, in January ..... 75·4
December.....	76·0	−4·6	Difference..... 9·2

TABLE XXXIII.—*Mean Temperature of Ground Six Inches below its Surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	75°3	76°6	78°7	83°2	84°3	84°2	83°5	81°2	80°4	80°8	80°6	75°9
1 A. M.	75·1	76·4	78·5	83·2	84·1	84·0	83·5	81·0	80·4	80·7	80·5	75·7
2 „	74·9	76·2	78·3	83·0	83·9	84·0	83·4	80·9	80·3	80·2	80·4	75·6
3 „	74·7	76·0	78·2	82·8	83·8	83·9	83·2	80·9	80·3	80·5	80·6	75·3
4 „	74·5	75·8	78·0	82·7	83·6	83·8	83·2	80·8	80·2	80·4	80·5	75·2
5 „	74·5	75·7	77·8	82·5	83·6	83·6	83·2	80·8	80·1	80·3	79·5	75·1
6 „	74·2	75·5	77·7	82·4	83·6	83·6	83·1	81·0	80·1	80·2	79·4	74·9
7 „	74·1	75·3	77·7	82·4	83·8	83·7	83·1	80·9	80.1	80·2	79·4	74·8
8 „	74·2	75·5	77·9	82·7	84·0	83·8	83·2	81·0	80·2	80·3	79·6	75·0
9 „	74·4	75·8	78·2	83·0	84·2	84·1	83·4	81·0	80·3	80·4	80·0	75·3
10 „	74·7	76·2	78·5	83·3	84·5	84·3	83·5	81·1	80·4	80·6	81·0	75.7
11 „	75·2	76·5	78·9	83·7	84·7	84·5	83·6	81·2	80·6	80·8	81·0	76·1
Noon.	75·6	76·9	79·3	84·0	85·0	84·8	82·8	81·4	80·7	81·0	81·3	76·4
1 P. M.	76·0	77·2	79·5	84·2	85·2	85·0	83·9	81·4	80·9	81·1	81·5	76·7
2 „	76·3	77·5	79·8	84·5	85·5	85·2	84·1	81·5	81·0	81·3	81·7	77·0
3 „	76·6	77·8	80·1	84·6	85·6	85·3	84·2	81·6	81.1	81·5	81·8	77·2
4 „	76·7	77·9	80·2	84·8	85·7	85·3	84.2	81·6	81·1	81·5	81·7	77·2
5 „	76·7	78·0	80·2	84·8	85·7	85·2	84·2	81·6	81·1	81·5	81·7	77·1
6 „	76·5	77·8	80·0	84·6	85·5	85·1	84·1	81·6	81·0	81·4	81·5	77.0
7 „	76·3	77·6	79·7	84·2	85·2	84·8	84·0	81·5	80·8	81·3	81·4	76·7
8 „	76·2	77·5	79·5	84·0	85·1	84·6	83·8	81·4	80·7	81·2	81·3	76·7
9 „	76·0	77·3	79·4	83·8	84·9	84·6	83.7	81·4	80·7	81·1	81·1	76.5
10 „	75·8	77·1	79·2	83·7	84·7	84·4	83·6	81·3	80·7	81·0	80·9	76·2
11 „	75·6	76·9	79·1	83·5	84·6	84·3	83·4	81·2	80·6	80·9	80·8	76·0

TABLE XXXIV.—*Excess of the Mean Hourly Temperature of Ground Six Inches below its Surface above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 0°1	− 0°1	− 0°2	− 0°3	− 0°3	− 0°2	− 0°1	− 0°1	− 0°1	0°0	− 0°2	− 0°1
1 A. M.	− 0·3	− 0·4	− 0·4	− 0·4	− 0·5	− 0·4	− 0·1	− 0·2	− 0·2	− 0·1	− 0·3	− 0·3
2 „	− 0·6	− 0·5	− 0·6	− 0·6	− 0·7	− 0·4	− 0·3	− 0·3	− 0·3	− 0·6	− 0·5	− 0·5
3 „	− 0·7	− 0·7	− 8·8	− 0·7	− 0·9	− 0·5	− 0·4	− 0·3	− 0·3	− 0·3	− 0·2	− 0·7
4 „	− 0·9	− 0·9	− 0·9	− 0·9	− 1·0	− 0·6	− 0·4	− 0·4	− 0·4	− 0·4	− 0·3	− 0·9
5 „	− 1·0	− 1·0	− 1·1	− 1·1	− 1·0	− 0·8	− 0·5	− 0·4	− 0·5	− 0·5	− 1·3	− 1·0
6 „	− 1·2	− 1·1	− 1·3	− 1·2	− 1·0	− 0·7	− 0·5	− 0·3	− 0·5	− 0·6	− 1·4	− 1·2
7 „	− 1·3	− 1·4	− 1·2	− 1·2	− 0·9	− 0·7	− 0·5	− 0·3	− 0·5	− 0·6	− 1·2	− 1·3
8 „	− 1·2	− 1·2	− 1·1	− 0·9	− 0·7	− 0·6	− 0·4	− 0·3	− 0·4	− 0·6	− 1·2	− 1·1
9 „	− 1·0	− 0·9	− 0·7	− 0·5	− 0·4	− 0·3	− 0·3	− 0·2	− 0·3	− 0·4	− 0·9	− 0·7
10 „	− 0·7	− 0·5	− 0·4	− 0·3	− 0·1	− 0·1	− 0·2	− 0·1	− 0·1	− 0·2	0·2	− 0·4
11 „	− 0·2	− 0·2	0·0	0·1	0·1	0·1	0·0	0·1	0·0	0·0	0·2	0·1
Noon.	0·2	0·2	0·4	0·4	0·4	0·4	0·1	0·1	0·2	0·2	0·5	0·4
1 P.M.	0·6	0·5	0·6	0·6	0·6	0·7	0·3	0·2	0·3	0·3	0·6	0·7
2 „	0·9	0·8	0·9	0·9	0·8	0·8	0·5	0·3	0·5	0·5	0·9	0·9
3 „	1·2	1·1	1·2	1·1	1·0	0·9	0·6	0·4	0·6	0·7	1·0	1·1
4 „	1·3	1·2	1·3	1·3	1·1	0·9	0·6	0·4	0·6	0·7	0·9	1·1
5 „	1·3	1·3	1·3	1·2	1·1	0·8	0·6	0·4	0·5	0·7	0·9	1·1
6 „	1·1	1·1	1·2	1·0	0·9	0·7	0·5	0·4	0·4	0·6	0·7	0·8
7 „	0·9	0·9	0·7	0·7	0·7	0·4	0·3	0·3	0·3	0·5	0·6	0·7
8 „	0·8	0·8	0·6	0·5	0·5	0·2	0·2	0 2	0·2	0·4	0·5	0·7
9 „	0·6	0·6	0·5	0·3	0·3	0·2	0·1	0·1	0·1	0·3	0·3	0·4
10 „	0·4	0·4	0·3	0·1	0·1	0·1	− 0·1	0·1	0·1	0·2	0·1	0·2
11 „	0·2	0·2	0·1	− 0·1	0·0	− 0·1	− 0·2	0·0	0·0	0·1	0·0	0·1

TABLE XXXV.—*Showing, for the Year* 1859, *the Mean Temperature of Ground Six Inches below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay, Civil Time.	Mean Temperature of Ground Six Inches below its Surface.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	80°4	− 0°2	
1 A. M.	80·3	− 0·3	
2 „	80·1	− 0·5	
3 „	80·0	− 0·6	
4 „	79·9	− 0·7	
5 „	79·7	− 0·9	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.. 80°5
6 „	79·6	− 1·0	
7 „	79·6	− 1·0	
8 „	79·8	− 0·8	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.. 80·6
9 „	80·0	− 0·6	
10 „	80·3	− 0·3	
11 „	80·6	0·0	Mean..... 80·6
Noon.	80·8	0·2	
1 P. M.	81·1	0·5	
2 „	81·3	0·7	
3 „	81·4	0·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	81·5	0·9	
5 „	81·5	0·9	A maximun between 4 and 5 P. M.
6 „	81·3	0·7	A minimum between 6 and 7 A. M.
7 „	81·1	0·5	
8 „	81·0	0·4	
9 „	80·9	0·3	
10 „	80·7	0·1	
11 „	80·6	0·0	

TABLE XXXVI.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Temperature of Ground Six Inches below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Ground Six Inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground Six Inches below the Surface was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	76°7	74°1	2°6	between 4 and 5 H. P. M.	7 H. A. M.
February.....	78·0	75·3	2·7	5 „	7 „
March	80·2	77·7	2·5	between 4 and 5 „	between 6 and 7 „
April	84·8	82·4	2·4	between 4 and 5 „	between 6 and 7 „
May.....	85·7	83·6	2·1	between 4 and 5 „	5 „
June	85·3	83·6	1·7	between 3 and 4 „	between 5 and 6 „
July.....	84·2	83·1	1·1	4 „	between 6 and 7 „
August	81·6	80·9	0·7	between 4 and 5 „	7 „
September	81·1	80·1	1·0	4 „	6 „
October	81·5	80·2	1·3	4 „	between 6 and 7 „
November	81·8	79·4	9·4	3 „	between 6 and 7 „
December	77·2	74·8	2·4	between 3 and 4 „	7 „

TABLE XXXVII.—*Showing, for each Month, the Mean Temperature of Ground Twenty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Ground Twenty Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	77°2	− 4°0	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.... 79°3
February	77·4	− 3·8	
March	78·5	− 2·7	
April	81·8	0·6	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 83·2
May	83·7	2·5	
June.....	84·9	3·7	
July	84·3	3·1	Mean of the year..... 81·2
August.....	82·6	1·4	
September	81·5	0·3	Greatest monthly mean, in June ..... 84·9
October	81·9	0·7	Least monthly mean, in January ..... 77·2
November	81·8	0·6	
December	79·3	− 1·9	Difference..... 7·7

TABLE XXXVIII.—*Showing, for each Month, the Mean Temperature of Ground Sixty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Ground Sixty Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.
January	80°8	− 2°1	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.... 81°8
February.....	80·2	− 2·7	
March.....	80·3	− 2·6	
April	81·8	− 1·1	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 84·0
May.....	83·8	0·9	
June.....	85·0	2·1	
July.....	85·4	2·5	Mean of the year..... 82·9
August.....	84·7	1·8	
September	83·6	0·7	Greatest monthly mean, in July ..... 85·4
October	83·4	0·5	Least monthly mean, in February ..... 80·2
November	83·3	0·4	
December.....	82·7	− 0·2	Difference..... 5·2

TABLE XXXIX.—*Showing, for each Month, the Mean Temperature of Evaporation or Wet Bulb Thermometer; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Mean Temperature of Evaporation.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
January	69°3	1°3	Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter .... 71°9
February	71·1	2·1	
March	73·0	− 0·4	
April	77·6	1·0	Mean of { April, May, June, / July, Aug. Sept. } or Summer.... 78·4
May	78·7	− 0·3	
June	80·0	0·8	
July	79·6	1·2	Mean of the year ..... 75·2
August	77·4	0·1	
September	77·3	0·6	Greatest monthly mean, in June ..... 80·0
October	76·5	− 0·4	Least monthly mean, in December ..... 67·9
November	73·6	1·1	
December	67·9	− 1.1	Difference ..... 12·1

TABLE XL.—*Mean Temperature of Evaporation or Wet Bulb Thermometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	67°9	70°0	71°6	77°1	77°6	79°1	79°1	76°8	76°3	75°7	72°9	66°7
1 A. M.	67·5	70·0	71·9	76·4	77·5	79·1	78·8	76·8	76·2	75·4	72·5	66·3
2 „	67·2	69·6	71·5	76·1	77·4	78·9	78·6	76·7	76·1	75·1	72·6	65·9
3 „	67·2	68·9	71·3	75·6	77·1	78·7	78·5	76·6	76·0	75·0	72·4	65·0
4 „	66·7	68·5	70·9	75·5	76·9	78·5	78·5	76·5	76·1	74·7	71·9	65·5
5 „	66·4	68·1	70·6	75·6	77·0	78·5	78·4	76·4	76·0	74·6	71·4	64·7
6 „	65·6	67·9	70·6	75·8	77·4	78·5	78·3	76·7	76·0	74·5	71·5	64·6
7 „	65·6	68·2	71·4	76·8	78·0	79·1	79·2	77·1	76·9	75·9	72·2	64·9
8 „	67·3	69·3	72·0	77·4	78·5	79·8	79·7	77·7	77·4	76·7	73·0	66·3
9 „	68·1	70·3	72·8	78·2	78·9	80·6	80·3	78·1	78·5	77·3	73·4	67·4
10 „	69·3	71·4	73·7	78·5	79·3	81·1	80·5	78·6	78·6	77·5	73·9	68·0
11 „	69·7	72·0	74·3	78·6	79·9	81·6	80·8	78·9	79·0	77·7	73·9	68·5
Noon.	70·9	72·9	75·2	79·2	80·0	81·5	80·9	78·8	79·2	77·8	74·2	68·9
1 P. M.	71·7	73·3	76·2	79·3	80·2	82·0	81·1	78·7	79·3	78·0	75·4	70·1
2 „	72·3	74·3	75·9	79·8	80·5	81·7	81·3	78·7	79·0	78·1	76·2	71·2
3 „	72·7	74·3	75·8	79·7	80·4	81·5	80·9	78·7	78·7	78·4	76·7	71·7
4 „	73·0	74·4	75·3	79·3	80·2	81·1	80·6	77·9	78·3	78·0	76·1	71·7
5 „	72·2	74·0	74·7	78·7	79·8	80·6	80·1	77·6	77·5	77·1	75·4	70·9
6 „	71·6	72·7	73·7	77·8	79·3	80·3	79·9	77·2	76·9	76·7	74·6	70·0
7 „	71·2	72·1	73·4	77·5	78·7	79·8	79·2	77·0	76·5	76·1	74·5	69·9
8 „	71·2	71·5	73·1	77·1	78·6	79.3	79·2	77·0	76·3	76·4	74·1	69·3
9 „	70·6	71·3	72·8	77·3	78·6	79·3	79·1	77·0	76·6	76·3	73·7	68·1
10 „	69·1	71·2	72·4	77·1	78·5	79·4	79·0	76·8	76·6	76·1	72·5	66·8
11 „	68·4	70·0	72·1	77·1	78·4	79·3	79·0	76·7	76·3	75·8	72·5	66·4

TABLE XLI.—*Excess of the Mean Hourly Temperature of Evaporation above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-1°4	-1°1	-1°4	-0°5	-1°1	-0°9	-0°5	-0°6	-1°0	-0°8	-0°7	-1°2
1 A. M.	-1·8	-1·1	-1·1	-1·2	-1·2	-0·9	-0·8	-0·7	-1·1	-1·1	-1·1	-1·6
2 „	-2·1	-1·5	-1·6	-1·5	-1·3	-1·1	-1·0	-0·8	-1·2	-1·4	-1·0	-2·0
3 „	-2·1	-2·2	-1·7	-1·9	-1·6	-1·3	-1·1	-0·9	-1·3	-1·5	-1·2	-2·8
4 „	-2·6	-2·6	-2·1	-2·0	-1·8	-1·5	-1·2	-1·0	-1·2	-1·7	-1·7	-2·4
5 „	-2·9	-3·0	-3·4	-2·0	-1·7	-1·5	-1·2	-1·0	-1·3	-1·9	-2·0	-3·2
6 „	-3·7	-3·2	-2·5	-1·8	-1·4	-1·5	-1·3	-0·8	-1·2	-2·0	-2·1	-3·3
7 „	-3·7	-2·9	-1·6	-0·8	-0·7	-0·9	-0·5	-0·3	-0·4	-0·5	-1·4	-3·0
8 „	-2·0	-1·8	-1·0	-0·2	-0·2	-0·2	0·1	0·3	0·2	0·3	-0·6	-1·6
9 „	-1·2	-0·8	-0·2	0·6	0·2	0·6	0·7	0·6	1·3	0·9	-0·2	-0·5
10 „	0·0	0·3	0·7	0·9	0·6	1·1	0·8	1·2	1·3	1·1	0·1	0·1
11 „	0·4	0·9	1·2	1·0	1·2	1·6	1·1	1·5	1·7	1·2	0·3	0·6
Noon.	1·6	1·8	2·2	1·7	1·3	1·6	1·2	1·4	1·9	1·4	0·6	0·9
1 P. M.	2·4	2·2	3·2	1·7	2·7	2·0	1·5	1·4	2·1	1·6	1·8	2·2
2 „	3·0	3·2	2·9	2·2	1·8	1·7	1·7	1·3	1·7	1·6	2·6	3·3
3 „	3·4	3·2	2·8	2·1	1·7	1·6	1·3	0·9	1·4	1·9	3·1	4·0
4 „	3·7	3·3	2·3	1·8	1·5	1·2	1·0	0·5	1·1	1·5	2·5	3·8
5 „	2·9	2·9	1·6	1·1	1·1	0·6	0·5	0·1	0·2	0·7	1·8	3·2
6 „	2·3	1·6	0·7	0·3	0·6	0·3	0·2	-0·3	-0·4	0·3	0·4	2·2
7 „	1·9	1·0	0·3	-0·1	0·0	-0·2	-0·4	-0·4	-0·8	-0·3	0·9	2·0
8 „	1·9	0·4	0·1	-0·5	-0·1	-0·7	-0·5	-0·4	-1·0	-0·2	0·5	1·4
9 „	1·3	0·2	-0·2	-0·3	-0·1	-0·7	-0·6	-0·5	-0·7	-0·2	0·2	0·2
10 „	-0·2	0·1	-0·7	-0·4	-0·2	-0·6	-0·6	-0·6	-0·7	-0·4	-0·1	-1·1
11 „	-0·9	-1·1	-0·9	-0·4	-0·3	-0·7	-0·6	-0·8	-0·9	-0·7	-1·1	-1·5

TABLE XLII.—*Showing, for the Year* 1859, *the Mean Temperature of Evaporation or Wet Bulb Thermometer, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Evaporation.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	74°2	- 1°0	
1 A. M.	74·0	- 1·2	
2 „	73·8	- 1·4	
3 „	73·5	- 1·7	
4 „	73·3	- 1·9	
5 „	73·1	- 2·1	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night .. 74°4
6 „	73·1	- 2·1	
7 „	73 8	- 1·4	
8 „	74·6	- 0·6	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .... 75·9
9 „	75·3	0·1	
10 „	75·9	0·7	
11 „	76·2	1·0	Mean..... 75·2
Noon.	76·6	1·4	
1 P. M.	77·1	1·9	
2 „	77·4	2·2	
3 „	77·4	2·2	TIME OF MEAN MAXIMUM AND MINIMUM.
4 „	77·2	2·0	
5 „	76·5	1·3	A minimum between 5 and 6 A. M.
6 „	75·8	0·6	A maximum between 2 and 3 P. M.
7 „	75·5	0·3	
8 „	75·3	0·1	
9 „	75·1	- 0·1	
10 „	74·6	- 0·6	
11 „	74·3	- 0·9	

TABLE XLIII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Temperature of Evaporation, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	73°0	65°6	7°4	4 P. M.	6 A. M.
February	74·4	67·9	6·5	4 ,,	6 ,,
March	76·2	70·6	6·5	1 ,,	6 ,,
April	79·8	75·5	4·3	2 ,,	4 ,,
May.....	80·5	76·9	4·6	2 ,,	4 ,,
June.....	82·0	78·5	3·5	1 ,,	5 ,,
July.....	81·3	78·3	3·0	2 ,,	6 ,,
August.....	78·9	76·4	2·5	11 A. M.	5 ,,
September	79·3	76·0	3·3	1 P. M.	5 ,,
October	78·4	74·5	3·9	3 ,,	6 ,,
November	76·7	71·4	5·3	3 ,,	5 ,,
December	71·7	64·6	7·1	3 ,,	6 ,,

TABLE XLIV.—*Diurnal Range of the Temperature of Evaporation, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		11°2		8°6		4°2	4°7	2°9	4°8	5°7	8°6	5°6
2		9·0		8·5	7·0	9·0	4·7	2·9	4·4		6·3	9·7
3	5·5	12·2	6·3		4·6	6·0		4·8	3·2	6·2	7·7	12·2
4	12·7	12·0	12·0	12·0	5·0	6·0	3·6	6·0		7·5	5·3	
5	12·5	11·0	6·4	5·8	4·8		3·4	4·0	5·8	2·7	5·0	6·6
6	19·0			5·2	5·0	5·2	3·2	4·3	4·8	4·1		7·0
7	9·6	3·9	5·0	5·0	5·2	4·3	5·3		4·0	3·1	7·8	10·4
8	9·1	5·0	4·6	5·5		5·8	3·2	3·4	5·8	3·8	7·1	13·0
9		7·9	4·5	5·2	3.0	5·8	3·8	4·3	5·2		6·0	11·1
10	9·2	4·4	6·4		3·0	5·0		3·3	4·8	4·5	8·5	9·2
11	9.6	10·6	7·0	5·4	3·0	5·3	6·3	4·4		4·4	8·2	
12	9·0	11·5	5·0	5·0	3·0		5·3	4·0	3·7	4·5	4·9	6·2
13	9·6			5·4	3·4	5·6	5·8		4·4	3·4		7·8
14	9·2	18·6	8·0	4·7	3·2	3·5	7·0		3·3	5·6	5·3	9 0
15	7·3	12·1	11·5	3·2		5·3	4·5	4·2	4·6	5·2	5·8	8·0
16		9·0	15·5	3·5	4·0	4·6	6·2	3·0	5·4		9·2	15·0
17	10·8	8·0	5·1		4·7	5·7		3·7	4·3	6·4	7·3	12·7
18	9·6	11·3	4·8	6·0	4·0	5·4	2·9	4·7		5·3	5·9	
19	9·9	8·0		5·6	4·3		4·5	4·8	3·5	4·2	5·5	7·3
20	10·6			4·8	3·0	4·0	5·0	4·0	3·8	4·0		11.6
21	8·0	5·0	12·7	5·0	4·1	4·5	5.9		5·3	3·8	9·3	8·0
22	8·2	3·4	9·4	4·7		5·4	2·4	4·8	6·7	5·4	7·8	9·8
23		4·2	7·8		4·4	3.5	2·1	3·4	6·3		8·1	7 2
24	11·7	8·0	8·6			3·4		2·6	4·5	5·0	8·0	6·0
25	6·0	7·0	10·6	4·6	4·6	5·0	3·6	1·9		5·4	8·1	
26	9·2	7·5	5·2	4·6	3·6		5·0	2·5	6·5		9·1	
27	5·0	4·5		4·3	3·7	4·9	3·0	3·5	5·4	5·7	7·7	10·3
28	8·1	3·8	4·2	8·6	3·0	4·6		3·3	5·1	6·2		11·6
29	7·6		7·0	6·8	2·2	5·0	5·0		5·2	8·1	8·9	11·5
30			8·6	7·6		5·6	3·8	5·0	5·0		8·4	9·1
31	12·8		6·0		8·3			4·0		9·0		10·9

TABLE XLV.—*Showing the Greatest and Least Temperature of Evaporation, in Simple Hourly Observations, in each Month, during the Year* 1859.

Months, 1859.	Greatest Temperature of Evaporation.				Least Temperature of Evaporation.			
	Day and Hour.	Greatest Temperature of Evaporation.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Evaporation.	Normal Mean.	Difference.
	D. H.				D. H.			
January	6 1 P.M.	79°0	71°7	7°3	5 6 A. M.	56°0	66°1	−10°1
February	15 2 ,,	79·5	74·3	5·2	12 4 ,,	57·5	68·3	−10·8
March	21 2 ,,	81·7	76·7	5·0	15 6 ,,	61·0	70·6	− 9·6
April	28 2 ,,	83·6	80·1	3·5	4 4 ,,	68·6	73·8	− 5·2
May	31 3 ,,	84·0	80·9	3·1	22 1 ,,	74·0	77·0	− 3·0
June	16 Noon.	84·2	81·5	2·7	22 8 P. M.	74·8	79·0	− 4·2
July	14 2 P.M.	85·8	81·3	4·5	20 5 A. M.	75·2	78·1	− 2·9
August	3 10 A.M.	81·2	79·4	1·8	24 3 ,,	74·4	76·4	− 2·0
September	26 Noon.	82·0	78·7	3·3	23 4 ,,	74·0	75·7	− 1·7
October	4 4 P.M.	82·5	78·5	4·0	29 10 P.M.	71·0	74·4	− 3·4
November	1 1 ,,	81·1	76·7	4·4	29 11 ,,	63·5	69·7	− 6·2
December	12 4 ,,	76·2	72·1	4·1	3 7 A. M.	55·2	67·8	−12·6

TABLE XLVI.—*Showing, for each Month, the Mean Temperature of Dew-Point; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Temperature of Dew-Point.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
January	66°6	1°7	
February	68·5	3·1	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .... 69°2
March	70·2	−0·2	
April	74·9	0·9	
May	76·3	−0·2	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 76·8
June	78·5	0·6	
July	78·6	1·3	Mean of the year..... 73.0
August	76·3	0·3	
September	76·3	0·9	Greatest monthly mean, in May ..... 78·6
October	75·0	0·0	Least monthly mean, in January ..... 64·6
November	70·5	1·1	
December	64·6	−0·8	Difference..... 14·0

TABLE XLVII.—*Mean Temperature of (Deduced) Dew-Point, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	66°1	68°4	69°5	75°4	75°9	78°1	78°4	76°0	75°7	75°0	70°9	64°4
1 A. M.	65·7	68·6	70·2	74·7	75 9	78·1	78·1	76·0	75·5	74·6	70·6	64·1
2 „	65·5	68·1	69·7	74·4	75·8	77·9	77·9	76·0	75·5	74·4	70·8	63·6
3 „	65·6	67·0	69·7	73·8	75·5	77·6	77·9	75·9	75·4	74·3	70·7	62·6
4 „	65·0	66·8	69·3	73·8	75·3	77·4	77·8	75·8	75·5	74·1	70·0	63·3
5 „	64·7	66·4	69·0	74·0	75·5	77·5	77·9	75·6	75·5	74·0	69·3	62·3
6 „	63·9	66·3	69·0	74.3	76·0	77·5	77·8	76·1	75·6	73·9	69·6	62·2
7 „	63·8	66·6	69·6	74·7	75·9	77 9	78·5	76·4	76·4	75·2	70·2	62·7
8 „	65 0	66·7	69·2	74.6	75·8	78·4	78·8	76·7	76·7	75·7	70·3	63·3
9 „	64·8	67·2	69·3	75·0	75·8	78·6	79·1	76·8	77·6	75·9	69·9	63·7
10 „	65·4	67·8	69·7	74.8	75·9	79·3	79·2	77·3	77·3	75·6	69·6	63·7
11 „	65·1	67·9	69·9	74·6	76·4	79·6	79·4	77·4	77·6	75·4	68·9	63·4
Noon.	66·0	68·6	71·0	75·2	76·3	79·3	79·4	77·1	77·6	75·2	68 7	63·1
1 P. M.	67.0	69·0	72.3	75·1	76·5	79·8	79·5	76·9	77 6	75·2	70·2	64·4
2 „	67·9	70·4	71·9	75·8	76·7	79·5	79·5	76·9	77·2	75·1	71·6	66·2
3 „	68·6	70 6	71·8	75·8	76·8	79·4	79·3	76·6	76 9	75·6	72·4	67·2
4 „	69·8	70·8	71·4	75·4	76·8	79·0	79·1	76·3	76·6	75·4	72·2	67·8
5 „	69·4	70·9	72 3	75·4	77·0	78·8	78·7	76·0	76·0	75·0	72·2	67·7
6 „	69·5	70·3	71·0	74·9	76·9	78·8	78·6	75·9	75·6	75·1	71·0	67·0
7 „	69·3	70·0	71·0	75·2	76·7	·578	78·2	76·0	75·5	74·5	71·9	67·2
8 „	69·5	69·3	70·8	75·2	76·7	78·0	78·2	76.1	75·4	75·0	71·4	66·6
9 „	69·0	69·4	70·5	75·3	76·9	78·1	78·2	76·2	75·8	75·1	71·4	65·4
10 „	67·4	60·5	70·2	75·3	76·9	78·3	78·1	76·0	75 5	75·0	70·1	63·9
11 „	66·6	68·0	69·9	75·4	76·8	78·2	78·2	75·8	75·2	74·8	70·2	63·7

TABLE XLVIII.—*Excess of the Mean Hourly Temperature of Deduced Dew-Point above its Mean Monthly Temperature.*

Bombay, Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-0°6	-0°2	-0°7	1°5	-0°4	-0°4	-0°4	-0°3	-0°6	0°0	0°3	-0°1
1 A. M.	-1·0	0·0	0·0	-0·2	-0·4	-0·4	-0·5	-0·3	-0·8	-0·4	0·0	-0·4
2 „	-1·2	-0·5	-0·5	-0·5	-0·5	-0·6	-0·8	-0·3	-0·8	-0·6	0·2	-0·9
3 „	-1·1	-1·6	-0·5	-1·1	-0·8	-0·9	-0·7	-0·4	-0·9	-0·7	0·1	-1·9
4 „	-1·7	-1·8	-1·0	-1·1	-1·0	-1·1	-0·7	-0·5	-0·8	-0·9	-0·6	-1·2
5 „	-2·0	-2·2	-1·2	-0·9	-0·8	-1·0	-0·8	-0·7	-0·8	-1·0	-1·3	-2·2
6 „	-2·8	-2·3	-1·2	-0·6	-0·3	-1·0	-0·7	-0·2	-0·7	-1·1	-1·0	-2·3
7 „	-2·9	-2·0	-1·6	-0·2	-0·4	-0·6	-0·8	0·1	0·1	0·2	-0·4	-1·8
8 „	-1·7	-1·9	-1·0	-0·3	-0·5	-0·1	-0·1	0·4	0·4	0·7	-0·3	-1·2
9 „	-1·9	-1·4	-0·9	0·1	-0·5	0·1	0·2	0·5	1·3	0·9	-0·7	-0·8
10 „	-1·3	-0·8	-0·5	-0·1	-0·4	0·8	0·5	1·0	1·0	0·6	-1·0	-0·8
11 „	-1·6	-0·7	-0·3	-0·3	0·1	1·1	0·6	1·1	1·3	0·4	-1·7	-1·1
Noon.	-0·7	0·0	0·8	0·3	0·0	0·8	0.8	0·8	1·3	0·2	-1·9	-1·4
1 P. M.	0·3	0·4	2·1	0·2	0·2	1·3	0·8	0·6	1·3	0·2	-0·4	-0·1
2 „	1·2	1·8	1·7	0·9	0·4	1·0	0·9	0·6	0·9	0·1	1·0	1·7
3 „	1·9	2·0	1·6	0·9	0·5	0·9	0 9	0·3	0·6	0·6	1·8	2·7
4 „	3·1	2·2	1·2	0·1	0·5	0·5	0·7	0·0	0·3	0·4	1·6	3·3
5 „	2·7	2·3	2·1	0·5	0·7	0·3	0·5	-0·3	-0·3	0·0	1·6	3·2
6 „	2·8	1·7	0·8	0·0	0·6	0·3	0·1	-0·4	-0·7	0·1	0·4	2·5
7 „	2·6	1·4	0·8	0·3	0·4	0·0	0·0	-0·3	-0·8	-0·5	1·3	2·7
8 „	2·8	0·7	0·6	0·3	0·4	-0·5	-0·4	-0·2	-0·9	0·0	0·8	2·1
9 „	2·3	0·8	0·3	0·4	0·6	-0·4	-0·4	-0·1	-0·5	0·1	0·8	0·9
10 „	0·7	0·9	0·0	0·4	0·6	-0·2	-0·5	-0·3	-0·8	0·0	-0·5	-0·6
11 „	-0·1	-0·6	-0·3	0·5	0·5	-0·3	-0·4	-0·5	-1·1	-0·2	-0·4	0.8

TABLE XLIX.—*Showing, for the Year* 1859, *the Mean Hourly Temperature of Deduced Dew-Point, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Calculated Dew-Point.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	73°1	− 0°2	
1 A. M.	73·0	− 0·3	
2 „	72·9	− 0·4	
3 „	72·5	− 0·8	
4 „	72·4	− 0·9	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night... 73°1
5 „	72·2	− 1·1	
6 „	72·1	− 1·2	
7 „	72·8	− 0·5	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day.... 73·6
8 „	73·0	− 0·3	
9 „	73·2	− 0·1	Mean..... 73·3
10 „	73·3	0·0	
11 „	73·4	0·1	
Noon.	73·5	0·2	
1 P. M.	74·0	0·7	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	74·3	1·0	
3 „	74·5	1·2	A minimum at 6 A. M.
4 „	74·4	1·1	A maximum at 3 P. M.
5 „	74·3	1·0	
6 „	73·9	0·6	
7 „	73·8	0·5	
8 „	73·7	0·4	
9 „	73·6	0·3	
10 „	73·3	0·0	
11 „	73·0	− 0·3	

TABLE L.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Temperature of Deduced Dew-Point, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Temperature of Deduced Dew-Point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew-Point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	69°8	63°8	6°0	4 P. M.	7 A. M.
February	70·9	66·3	4·6	5 „	6 „
March	72·3	69·0	3·3	5 „	6 „
April	75·8	73·8	2·0	between 2 & 3 P. M.	4 „
May	77·0	75·3	1·7	5 „	4 „
June	79·8	77·4	2·4	1 „	4 „
July	79·5	77·8	1·7	2 „	4 „
August	77·4	75·6	1·8	11 A. M.	5 „
September	77·6	75·2	2·4	Noon.	11 P. M.
October	75·9	73·9	2·0	9 A. M.	6 A. M.
November	72·4	68·7	3·7	3 P. M.	Noon.
December	67·8	62·2	5·6	4 „	7 A. M.

TABLE LI.—*Daily Range of Temperature of Deduced Dew-Point, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1		11°3		9°8		4°1	4°2	3°3	3°1	4°6	7°5	8°9
2		7·4		11·0	6·8	8·0	3·4	3·1	4·3		7·2	13·7
3	7·7	14·0	10°3		2·6	5·2		4·8	2·9	4·9	6·9	14·5
4	15·9	13·0	14·4	14·3	3·1	4·5	2·3	6·0		7·6	5·9	
5	14·3	14·3	4·9	7·3	3·0		2·8	4·7	5·2	2·9	4·5	7·1
6	21·7			3·1	3·6	5·0	1·6	3·7	4·4	4·3		7·5
7	8·8	6·0	2·6	3·3	3·0	4·6	4·0		3·9	3·5	7·6	11·1
8	12·0	4·4	2·7	4·1		5·6	3·2	1·8	6·0	4·5	1·7	13·0
9		7·2	2·6	4·4	3·9	4·8	3·7	2·3	4·9		7·6	12·0
10	13·2	11·4	4·8		3·8	4·0		2·4	4·5	5·6	7·2	8·5
11	10·2	10·2	6·5	4·6	2·0	4·2	4·6	3·9		6·9	9·8	
12	9·7	13·2	5·2	4·7	3·3		4.2	3·0	3·1	3·7	6·1	5·1
13	11·4			4·0	2·6	4·9	4·8		3·3	4·3		6·6
14	9·0	22·3	9·4	3·1	2·4	2·6	6·3		3·9	4·9	9·0	10·8
15	7·2	15·1	13·5	3·7		5·2	3·0	2·3	3·5	4·1	14·1	8·0
16		13·5	19·5	2·4	2·3	4·3	4·7	2·3	3·8		10·3	16·8
17	11·7	6·8	8·6		3·9	5·2		4·6	5·1	5·4	5·9	12·5
18	8·8	14·3	7·6	9·2	2·9	4·8	2·9	3·3		3·4	9·5	
19	11·3	9·3		6·1	2·2		4·2	3·9	3·8	3·7	4·7	8·6
20	9·7			2·6	1·4	3·6	5·1	3·8	3·3	3·5		13·4
21	14·6	5·0	21·0	4·2	2·6	3·7	4·2		4·9	3·3	12·9	6·5
22	8.9	5·3	9·6	3·3		4·4	2·7	4·1	6·0	4·3	11·4	9·6
23		3·7	8·2		3·6	2·4	2·1	4·0	5·3		4·7	7·7
24	16·9	7·1	10·5			2·8		3·0	4·5	3·3	9·5	8·3
25	5·6	5·6	11·8	3·2	2·5	4·4	2·7	1·1		3·3	11·4	
26	8·7	6·1	4·3	4·7	3·2		3·7	2·0	5·6		10·6	
27	3·3	4·3		3·4	2·1	4·1	2·8	3·5	4·0	4·2	14·9	15·4
28	8·2	4·0	4·2	10·2	1·8	4·4		3·4	4·1	6·4		12·4
29	7·0		5·2	9·7	2·5	3·9	4·5		3·8	6·5	11·5	12·7
30			9·4	9·0		4·5	3·9	4·4	4·0		8·6	9·2
31	14·4		7·3		8·2			4·4		1·6		11·4

TABLE LII.—*Showing the Greatest and Least Temperature of Dew-Point, in Simple Hourly Observations in each Month, during the Year* 1859.

Months, 1859.	Greatest Temperature of Dew-Point.				Least Temperature of Dew-Point.			
	Day and Hour.	Greatest Temperature of Dew-Point.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Dew-Point.	Normal Mean.	Difference.
	D. H.				D. H.			
January	6 1 P. M.	77°9	67°0	10°9	5 4 A. M.	50°0	65°4	− 15°4
February	26 4 „	76.0	71·0	5·0	12 4 „	50·4	66·6	− 16·2
March	26 10 A. M.	79·4	71·6	7·8	15 7 „	53·4	69·6	− 16·2
April	30 10 „	81·0	75·3	5·7	4 4 „	63·4	72·7	− 9·3
May	31 4 P. M.	81·2	77·9	3·3	2 1 „	71·1	75·8	− 4·7
June	16 Noon.	82·6	79·3	3·3	2 8 P. M.	72·8	77·4	− 4·6
July	14 2 P. M.	84·6	79·5	5·1	30 1 A. M.	74·1	78·2	− 4·1
August	3 10 A. M.	80·1	78·0	2·1	4 4 P. M.	72·6	77·3	− 4·7
September	24 10 „	80·7	76·9	3·8	14 7 „	72·9	75·5	− 2·6
October	4 1 P. M.	80·9	76·1	4·8	31 2 „	66·2	73·3	− 7·1
November	1 1 „	78·5	72·7	5·8	29 11 „	57·8	67·4	− 9·6
December	12 4 „	74·6	68·2	6·4	3 8 A. M.	48·2	66·1	− 17·9

PRESSURE OF MOISTURE.

TABLE LIII.—*Showing, for each Month, the Mean Pressure of Moisture; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Pressure of Moisture.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	in.	in.	
January	0·652	−0·038	Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter ..... in. 0·713
February.....	·693	− ·067	
March	·732	− ·005	
April	·852	·025	Mean of {April, May, June, / July, Aug. Sept.} or Summer .... 0·905
May	·890	·006	
June.....	·956	·021	Mean of the year ..... 0·809
July	·957	·038	
August.....	·890	·006	Greatest monthly mean, in May ..... 0·957
September	·888	·023	Least monthly mean, in December ..... 0·608
October	·853	− ·002	
November	·742	·030	Difference..... 0·349
December.....	·608	− ·019	

TABLE LIV.—*Mean Pressure of Moisture, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·640	0·690	0·716	0·866	0·879	0·943	0·952	0·881	0·873	0·853	0·749	0·605
1 A. M.	·633	·694	·731	·845	·879	·943	·943	·881	·869	·844	·741	·600
2 „	·628	·683	·721	·837	·877	·935	·937	·884	·863	·837	·747	·590
3 „	·630	·659	·719	·823	·863	·928	·936	·877	·864	·836	·745	·571
4 „	·617	·656	·709	·823	·863	·923	·934	·876	·869	·829	·728	·584
5 „	·611	·646	·703	·827	·869	·926	·936	·873	·869	·826	·712	·565
6 „	·595	·645	·704	·836	·881	·926	·935	·884	·870	·824	·712	·564
7 „	·594	·650	·717	·845	·878	·938	·956	·895	·892	·861	·731	·572
7 „	·616	·653	·709	·843	·877	·951	·963	·904	·902	·873	·735	·583
9 „	·613	·664	·711	·854	·876	·959	·973	·905	·928	·878	·724	·591
10 „	·627	·676	·719	·850	·880	·978	·975	·919	·920	·872	·717	·591
11 „	·619	·679	·726	·842	·893	·989	·981	·922	·928	·865	·701	·586
Noon.	·637	·696	·750	·859	·890	·979	·981	·914	·929	·861	·797	·581
1 P. M.	·659	·703	·784	·858	·895	·994	·984	·910	·929	·860	·732	·606
2 „	·678	·736	·773	·877	·903	·986	·986	·909	·916	·858	·765	·642
3 „	·695	·740	·771	·876	·906	·984	·978	·898	·907	·872	·785	·663
4 „	·722	·747	·760	·865	·904	·970	·972	·890	·900	·864	·781	·676
5 „	·713	·748	·784	·864	·910	·965	·961	·882	·881	·853	·782	·674
6 „	·715	·734	·750	·851	·908	·965	·959	·881	·870	·856	·750	·660
7 „	·711	·727	·751	·861	·902	·956	·946	·880	·867	·840	·774	·664
8 „	·716	·712	·746	·852	·903	·941	·947	·883	·865	·854	·761	·652
9 „	·704	·712	·740	·863	·908	·943	·945	·884	·877	·856	·761	·625
10 „	·667	·715	·732	·862	·907	·949	·944	·878	·867	·855	·729	·596
11 „	·651	·681	·726	·866	·905	·946	·946	·874	·860	·849	·733	·591

TABLE LV.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0·012	-0·003	-0·016	0·014	-0·011	-0·013	-0·005	-0·009	-0·015	0·000	0·007	-0·003
1 A. M.	- ·019	·001	- ·001	- ·007	- ·011	- ·013	- ·014	- ·009	- ·019	- ·009	- ·001	- ·008
2 „	- ·024	- ·010	- ·011	- ·015	- ·013	- ·020	- ·020	- ·006	- ·020	- ·016	·005	- ·018
3 „	- ·022	- ·034	- ·013	- ·029	- ·022	- ·028	- ·021	- ·013	- ·024	- ·017	·003	- ·039
4 „	- ·035	- ·037	- ·023	- ·029	- ·027	- ·033	- ·023	- ·014	- ·019	- ·024	- ·014	- ·024
5 „	- ·041	- ·047	- ·029	- ·025	- ·021	- ·030	- ·021	- ·017	- ·019	- ·027	- ·030	- ·043
6 „	- ·057	- ·048	- ·028	- ·016	- ·009	- ·030	- ·022	- ·006	- ·018	- ·029	- ·030	- ·044
7 „	- ·058	- ·043	- ·015	- ·007	- ·012	- ·018	- ·001	·005	·004	·008	- ·011	- ·036
8 „	- ·036	- ·040	- ·023	- ·009	- ·013	- ·005	·006	·014	·014	·020	- ·007	- ·025
9 „	- ·039	- ·029	- ·021	·002	- ·014	·003	·016	·015	·040	·025	- ·018	- ·017
10 „	- ·025	- ·017	- ·013	- ·002	- ·010	·022	·018	·029	·032	·019	- ·025	- ·017
11 „	- ·033	- ·014	- ·006	- ·010	·003	·033	·024	·032	·040	·012	- ·041	- ·022
Noon.	- ·015	·003	·018	·007	·000	·023	·024	·024	·041	·008	- ·045	- ·027
1 P. M.	·007	·010	·052	·006	·005	·038	·027	·020	·041	·007	- ·010	- ·002
2 „	·026	·043	·041	·025	·013	·030	·029	·019	·028	·005	·023	·034
3 „	·043	·047	·039	·024	·016	·028	·021	·008	·019	·019	·043	·055
4 „	·070	·054	·028	·013	·014	·014	·015	·000	·012	·011	·039	·068
5 „	·061	·055	·052	·012	·020	·009	·004	- ·008	- ·007	·000	·040	·066
6 „	·063	·041	·018	- ·001	·018	·009	·002	- ·009	- ·018	·003	·008	·052
7 „	·059	·034	·019	·009	·012	·000	- ·011	- ·010	- ·021	- ·013	·032	·056
8 „	·064	·019	·014	·000	·013	- ·015	- ·010	- ·007	- ·023	·001	·019	·044
9 „	·052	·019	·008	·011	·018	- ·013	- ·012	- ·006	- ·011	·003	·019	·017
10 „	·015	·022	·000	·010	·017	- ·007	- ·013	- ·002	- ·021	·002	- ·013	- ·012
11 „	- ·001	- ·012	- ·006	·014	·015	- ·010	- ·011	- ·016	- ·028	- ·004	- ·009	- ·017

TABLE LVI.—*Showing, for the Year* 1859, *the Mean Pressure of Moisture for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Moisture.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	in.	in.	
Midnight.	0·804	-0·006	
1 A. M.	·800	- ·010	
2 „	·797	- ·013	
3 „	·788	- ·022	
4 „	·784	- ·026	
5 „	·780	- ·030	in.
6 „	·781	- ·029	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3 4, 5 A. M. } or Night.. 0·804
7 „	·794	- ·016	
8 „	·801	- ·009	
9 „	·806	- ·004	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.... 0·816
10 „	·810	·000	
11 „	·811	·001	Mean..... 0·810
Noon.	·814	·004	
1 P. M.	·826	·016	
2 „	·836	·026	
3 „	·840	·030	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	·838	·028	
5 „	·835	·025	A minimum at 5 A. M.
6 „	·825	·015	A maximum at 3 P. M.
7 „	·823	·013	
8 „	·819	·009	
9 „	·818	·008	
10 „	·808	- ·002	
11 „	·802	- ·008	

TABLE LVII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Pressure of Moisture, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·722	0·594	0·128	4 P. M.	7 A. M.
February.....	·748	·645	·103	5 „	6 „
March	·784	·703	·081	5 „	5 „
April	·877	·823	·054	2 „	4 „
May.....	·910	·863	·047	5 „	4 „
June.....	·994	·923	·071	1 „	4 „
July.....	·986	·934	·052	2 „	4 „
August.....	·922	·873	·049	11 A. M.	5 „
September	·929	·860	·069	Noon.	11 P. M.
October	·878	·824	·054	9 A. M.	6 A. M.
November	·785	·697	·088	3 P. M.	Noon.
December.....	·676	·564	·112	4 „	7 A. M.

TABLE LVIII.—*Showing, for each Month, the Mean Humidity of Air; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Humidity of Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
January	0·78	0·04	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.... 0·77
February.....	·77	·06	
March.....	·75	·01	
April	·75	·00	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 0·83
May.....	·75	·00	
June.....	·84	– ·01	
July.....	·89	·01	Mean of the year..... 0·80
August.....	·88	·01	
September	·89	·03	Greatest monthly mean, in September ..... 0·89
October	·85	·04	Least monthly mean, in November ..... 0·73
November	·73	·01	
December.....	·74	·03	Difference.... 0·16

TABLE LIX.—*Mean Humidity of Air, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·84	0·85	0·81	0·83	0·82	0·89	0·92	0·91	0·93	0·92	0·82	0·81
1 A. M.	·85	·86	·83	·82	·83	·89	·92	·92	·93	·92	·82	·81
2 „	·85	·86	·83	·82	·84	·88	·92	·92	·93	·92	·84	·81
3 „	·86	·83	·84	·82	·84	·88	·93	·93	·93	·93	·84	·81
4 „	·85	·85	·84	·83	·84	·88	·93	·93	·94	·93	·82	·83
5 „	·85	·85	·85	·84	·85	·89	·94	·92	·95	·93	·81	·81
6 „	·84	·86	·86	·85	·85	·89	·94	·93	·95	·93	·82	·82
7 „	·84	·86	·83	·79	·78	·87	·93	·92	·95	·92	·82	·82
8 „	·80	·78	·75	·73	·74	·84	·89	·90	·92	·89	·76	·76
9 „	·73	·74	·69	·70	·70	·82	·87	·87	·90	·85	·70	·71
10 „	·69	·69	·66	·66	·68	·80	·86	·86	·86	·81	·65	·67
11 „	·64	·66	·64	·63	·66	·78	·85	·84	·85	·78	·60	·62
Noon.	·61	·65	·64	·63	·65	·76	·83	·82	·84	·75	·57	·58
1 P. M.	·63	·64	·66	·63	·65	·76	·82	·82	·82	·73	·58	·58
2 „	·64	·66	·65	·63	·64	·77	·81	·81	·81	·72	·60	·61
3 „	·66	·67	·65	·63	·66	·78	·82	·82	·81	·73	·63	·63
4 „	·72	·69	·66	·64	·67	·78	·83	·83	·83	·75	·66	·68
5 „	·75	·72	·69	·68	·72	·81	·85	·84	·85	·78	·71	·73
6 „	·81	·78	·75	·73	·76	·84	·87	·86	·87	·83	·72	·75
7 „	·83	·80	·78	·78	·79	·86	·89	·88	·89	·83	·76	·77
8 „	·85	·80	·78	·78	·81	·86	·90	·89	·90	·86	·76	·77
9 „	·86	·82	·79	·80	·82	·87	·90	·90	·92	·88	·78	·77
10 „	·85	·84	·80	·81	·83	·88	·91	·90	·92	·89	·77	·77
11 „	·84	·82	·81	·33	·83	·88	·91	·90	·92	·90	·80	·78

TABLE LX.—*Excess of the Mean Humidity of Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·06	0·08	0·06	0·08	0·07	0·05	0·03	0·03	0·04	0·07	0·09	0·07
1 A. M.	·07	·09	·08	·07	·08	·05	·03	·04	·04	·07	·09	·07
2 „	·07	·09	·08	·07	·09	·04	·03	·04	·04	·07	·11	·07
3 „	·08	·06	·09	·07	·09	·04	·04	·05	·04	·08	·11	·07
4 „	·07	·08	·09	·08	·09	·04	·04	·05	·05	·08	·09	·09
5 „	·07	·08	·10	·09	·10	·05	·05	·04	·06	·08	·08	·07
6 „	·06	·09	·11	·10	·10	·05	·05	·05	·06	·08	·09	·08
7 „	·06	·09	·08	·04	·03	·03	·04	·04	·06	·07	·09	·08
8 „	·02	·01	·00	−·02	−·01	·00	·00	·02	·03	·04	·03	·02
9 „	−·05	−·03	−·06	−·05	−·05	−·02	−·02	−·01	·01	·00	−·03	−·03
10 „	−·09	−·08	−·09	−·09	−·07	−·04	−·03	−·02	−·03	−·04	−·08	−·07
11 „	−·14	−·11	−·11	−·12	−·09	−·06	−·04	−·04	−·04	−·07	−·13	−·12
Noon.	−·17	−·12	−·11	−·12	−·10	−·08	−·06	−·06	−·05	−·10	−·16	−·16
1 P.M.	−·15	−·13	−·09	−·12	−·10	−·08	−·07	−·06	−·07	−·12	−·15	−·16
2 „	−·14	−·11	−·10	−·12	−·11	−·07	−·08	−·07	−·08	−·13	−·13	−·13
3 „	−·12	−·10	−·10	−·12	−·09	−·06	−·07	−·06	−·08	−·12	−·10	−·11
4 „	−·06	−·08	−·09	−·11	−·08	−·06	−·06	−·05	−·06	−·10	−·07	−·06
5 „	−·03	−·05	−·06	−·07	−·03	−·03	−·04	−·04	−·04	−·07	−·02	−·01
6 „	·03	·01	·00	−·02	·01	·00	−·02	−·02	−·02	−·02	−·01	·01
7 „	·05	·03	·03	·03	·04	·02	·00	·00	·00	−·02	·03	·03
8 „	·07	·03	·03	·03	·06	·02	·01	·01	·01	·01	·03	·03
9 „	·08	·05	·04	·05	·07	·03	·01	·02	·03	·03	·05	·03
10 „	·07	·07	·05	·06	·08	·04	·02	·02	·03	·04	·04	·03
11 „	·06	·05	·06	·08	·08	·04	·02	·02	·03	·05	·07	·04

TABLE LXI.—*Showing, for the Year* 1859, *the Mean Humidity of Air, for each Hour of Bombay Civil Time: and also its Diurnal Changes from the Mean of the Year.*

Bombay, Civil Time.	Mean Humidity of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0·86	0·06	
1 A. M.	·87	·07	
2 „	·87	·07	
3 „	·87	·07	
4 „	·87	·07	
5 „	·87	·07	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.. 0·85
6 „	·88	·08	
7 „	·86	·06	
8 „	·81	·01	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.. 0·75
9 „	·77	− ·03	
10 „	·74	− ·06	
11 „	·71	− ·09	Mean..... 0·80
Noon.	·69	− ·11	
1 P. M.	·69	− ·11	
2 „	·69	− ·11	
3 „	·71	− ·09	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	·73	− ·07	
5 „	·76	− ·04	A maximun at 6 A. M.
6 „	·80	·00	A minimum at 1 P. M.
7 „	·82	·02	
8 „	·83	·03	
9 „	·84	·04	
10 „	·85	·05	
11 „	·85	·05	

TABLE LXII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Humidity of Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Humidity of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	0·86	0·61	0·25	3 A. M.	Noon.
February	.86	·64	·22	7 „	1 P. M.
March	·86	·64	·22	6 „	Noon.
April	·85	·63	·22	6 „	1 P. M.
May.....	·85	·64	·21	6 „	2 „
June.....	·89	·76	·13	6 „	1 „
July.....	·94	·81	·13	6 „	2 „
August.....	·93	·81	·12	6 „	2 „
September	·95	·81	·14	6 „	2 „
October	·93	·72	·21	6 „	2 „
November	·82	·57	·25	7 „	Noon.
December	·82	·58	·24	7 „	„

TABLE LXIII.—*Showing, for each Month, the Mean Pressure of supposed Dry Air; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	in.	in.	in.
January	29·281	−0·037	Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter .. 29·181
February.....	·225	− ·059	
March	·146	·029	
April	28·935	− ·030	Mean of {April, May, June, / July, Aug. Sept.} or Summer.. 28·824
May.....	·899	·052	
June.....	·707	− ·006	Mean of the year..... 29·002
July.....	·671	− ·055	
August.....	·841	·009	
September	·890	− ·020	Greatest monthly mean, in December ..... 29·323
October	29·000	·025	Least monthly mean, in July..... 28·671
November	·110	− ·074	
December.....	·323	·014	Difference .... 0·652

TABLE LXIV.—*Mean Pressure of supposed Dry Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29·297	29·233	29·167	28·923	28·915	28·723	28·687	28·855	28·908	28·996	29·102	29·329
1 A. M.	·289	·220	·132	·932	·899	·702	·679	·842	·897	·993	·096	·318
2 „	·286	·219	·131	·929	·891	·696	·674	·825	·885	·992	·080	·316
3 „	·273	·234	·126	·937	·897	·699	·668	·825	·884	·991	·076	·329
4 „	·287	·236	·136	·943	·908	·705	·671	·828	·881	29·004	·096	·318
5 „	·300	·252	·157	·951	·914	·711	·682	·836	·896	·019	·127	·349
6 „	·334	·273	·178	·961	·923	·732	·691	·841	·911	·042	·143	·367
7 „	·367	·296	·189	·972	·942	·737	·685	·850	·912	·024	·153	·388
8 „	·368	·314	·220	·997	·956	·737	·695	·859	·919	·033	·173	·398
9 „	·395	·320	·232	·999	·965	·735	·691	·867	·899	·039	·192	·410
10 „	·374	·312	·229	·999	·958	·719	·689	·854	·906	·039	·191	·403
11 „	·360	·292	·203	·994	·935	·701	·678	·843	·887	·025	·188	·390
Noon.	·311	·246	·154	·955	·923	·701	·668	·837	·865	·001	·164	·362
1 P. M.	·254	·207	·087	·928	·894	·669	·645	·832	·840	28·976	·101	·305
2 „	·216	·148	·072	·883	·867	·662	·628	·809	·835	·958	·046	·250
3 „	·189	·127	·057	·864	·848	·652	·621	·805	·829	·933	·015	·219
4 „	·161	·117	·064	·867	·836	·661	·615	·805	·837	·945	·021	·207
5 „	·178	·122	·049	·869	·837	·671	·631	·814	·867	·963	·028	·220
6 „	·188	·145	·096	·898	·852	·683	·646	·827	·894	·972	·080	·246
7 „	·212	·170	·111	·903	·869	·706	·672	·845	·911	29·008	·075	·261
8 „	·227	·211	·136	·922	·884	·737	·681	·856	·928	·012	·106	·290
9 „	·253	·224	·158	·933	·888	·747	·698	·864	·931	·020	·114	·332
10 „	·289	·225	·171	·944	·892	·744	·710	·876	·936	·020	·142	·361
11 „	·297	·057	·169	·937	·887	·741	·704	·872	·933	·015	·126	·358

TABLE LXV.—*Excess of the Mean Hourly Pressure of supposed Dry Air, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·016	0·008	0·021	−0·012	0·016	0·016	0·016	0·014	0·018	−0·004	−0·008	0·006
1 A. M.	·008	− ·005	− ·014	− ·003	·000	− ·005	·008	·001	·007	− ·007	− ·014	− ·005
2 „	·005	− ·006	− ·015	− ·006	− ·008	− ·011	·003	− ·016	− ·005	− ·008	− ·030	− ·007
3 „	− ·008	·009	− ·020	·002	− ·002	− ·008	− ·003	− ·016	− ·006	− ·009	− ·034	− ·006
4 „	·006	·011	− ·010	·008	·009	− ·002	·000	− ·013	− ·009	·004	− ·014	− ·005
5 „	·019	·027	·011	·016	·015	·004	·011	− ·005	·006	·019	·017	·026
6 „	·053	·048	·032	·026	·024	·025	·020	·000	·021	·042	·033	·044
7 „	·086	·071	·043	·037	·043	·030	·014	·009	·022	·024	·043	·065
8 „	·087	·089	·074	·062	·057	·030	·024	·018	·029	·033	·063	·075
9 „	·114	·095	·086	·064	·0 6	·028	·020	·026	·009	·039	·082	·087
10 „	·093	·087	·083	·064	·0 9	·012	·018	·013	·016	·039	·081	·080
11 „	·079	·067	·057	·059	·036	− ·006	·007	·002	− ·003	·025	·078	·067
Noon.	·030	·021	·008	·0 0	·024	− ·006	− ·003	− ·004	− ·025	·001	·054	·039
1 P. M.	− ·027	− ·018	− ·059	− ·0 7	− ·005	− ·038	− ·026	− ·009	− ·050	− ·024	− ·009	− ·018
2 „	− ·065	− ·077	− ·074	− ·0 2	− ·032	− ·045	− ·043	− ·032	− ·055	− ·042	− ·064	− ·073
3 „	− ·092	− ·098	− ·089	− ·071	− ·051	− ·055	− ·050	− ·036	− ·061	− ·067	− ·095	− ·104
4 „	− ·120	− ·108	− ·082	− ·068	− ·063	− ·046	− ·056	− ·036	− ·053	− ·055	− ·089	− ·116
5 „	− ·103	− ·103	− ·097	− ·066	− ·062	− ·036	− ·040	− ·027	− ·023	− ·037	− ·082	− ·103
6 „	− ·093	− ·080	− ·050	− ·037	− ·047	− ·024	− ·025	− ·014	·004	− ·028	− ·039	− ·077
7 „	− ·069	− ·055	− ·039	− ·032	− ·030	− ·001	·001	·004	·021	·008	− ·035	− ·062
8 „	− ·054	− ·014	− ·010	− ·013	− ·015	·030	·010	·015	·038	·012	− ·004	− ·033
9 „	− ·028	− ·001	·012	− ·002	− ·011	·040	·027	·023	·041	·020	·004	·009
10 „	·000	·000	·025	·009	− ·007	·037	·039	·035	·046	·020	·032	·038
11 „	·016	·026	·022	·002	− ·012	·034	·033	·031	·043	·015	·016	·035

TABLE LXVI.—*Showing, for the Year* 1859, *the Mean Pressure of supposed Dry Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	in.	in.	
Midnight.	29·011	0·009	
1 A. M.	·000	− ·002	
2 „	28·992	− ·010	
3 „	·995	− ·007	
4 „	29·001	− ·001	in.
5 „	·016	·014	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night. 29·002
6 „	·034	·032	
7 „	·045	·043	
8 „	·055	·053	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .. 29·002
9 „	·062	·060	
10 „	·056	·054	
11 „	·041	·039	Mean ..... 29·002
Noon.	·016	·014	
1 P. M.	28·978	− ·024	
2 „	·948	− ·054	
3 „	·930	− ·072	TIME OF MEAN MAXIMUM AND MINIMUM.
4 „	·928	− ·074	
5 „	·937	− ·065	A minimum at 2 A. M.
6 „	·960	− ·042	A maximum at 9 „
7 „	·979	− ·023	A minimum at 4 P. M.
8 „	29·000	− ·002	A maximum at 10 „
9 „	·014	·012	
10 „	·026	·024	
11 „	·024	·022	

TABLE LXVII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time at which the Mean Hourly Pressure of supposed Dry Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Pressure of supposed Dry Air.				Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of supposed Dry Air was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·273	29·395	29·161	29·297	0·234	3 A. M.	9 A. M.	4 P. M.	11 P. M.
February	·219	·320	·117	·251	·203	2 ,,	9 ,,	4 ,,	11 ,,
March	·126	·232	·049	·171	·183	3 ,,	9 ,,	5 ,,	10 ,,
April	28·923	28·999	28·864	28·944	·135	Midnight.	9 ,,	3 ,,	10 ,,
May	·891	·965	·836	·892	·129	2 A. M.	9 ,,	4 ,,	10 ,,
June	·696	·737	·652	·747	·095	2 ,,	8 ,,	3 ,,	9 ,,
July	·668	·695	·615	·710	·095	3 ,,	8 ,,	4 ,,	10 ,,
August	·825	·867	·805	·876	·071	3 ,,	9 ,,	4 ,,	10 ,,
September	·881	·919	·829	·936	·107	4 ,,	8 ,,	3 ,,	10 ,,
October	·991	29·042	·933	29·020	·109	3 ,,	6 ,,	3 ,,	10 ,,
November	29·076	·192	29·015	·142	·177	3 ,,	9 ,,	3 ,,	10 ,,
December	·316	·410	·207	·361	·203	2 ,,	9 ,,	4 ,,	10 ,,

TABLE LXVIII.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Weight in Grains of a Cubic Foot of Common Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.	
	grs.	grs.		grs.
January	510	− 1	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	505
February	508	0		
March	503	2		
April	495	− 1	Mean of {April, May, June, July, Aug. Sept.} or Summer	496
May	494	2		
June	493	0		
July	493	− 3	Mean of the year	500
August	499	1		
September	500	1	Greatest monthly mean, in Jan. and Dec.	510
October	501	2	Least monthly mean, in June and July	493
November	500	− 3		
December	510	− 2	Difference	17

TABLE LXIX.—*Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	515	511	508	499	498	495	496	501	504	507	506	515
1 A. M.	514	511	507	498	497	495	495	500	503	506	506	515
2 „	515	511	508	499	497	495	495	500	503	505	506	515
3 „	515	511	508	499	498	494	496	502	504	505	506	516
4 „	515	512	509	499	498	495	496	502	504	507	506	516
5 „	515	514	509	499	499	496	496	502	504	507	507	516
6 „	515	514	510	500	499	496	496	502	505	507	507	517
7 „	517	515	509	498	496	495	496	501	504	506	507	517
8 „	514	511	506	495	494	494	495	499	502	504	504	514
9 „	511	509	502	494	493	492	493	498	499	501	501	512
10 „	509	506	500	495	492	491	493	497	498	500	499	510
11 „	505	502	498	491	490	490	491	496	497	499	496	507
Noon.	502	501	496	489	489	489	491	496	497	495	493	503
1 P. M.	500	499	494	489	489	487	489	496	495	495	493	501
2 „	500	499	494	487	487	488	489	495	495	493	492	500
3 „	500	498	494	488	488	489	490	495	495	493	492	501
4 „	502	498	494	488	488	489	490	496	496	494	493	502
5 „	506	500	498	490	490	490	492	496	498	497	499	506
6 „	508	505	501	493	492	493	493	497	499	499	500	508
7 „	509	507	503	496	495	494	494	498	501	501	500	509
8 „	510	508	505	497	496	494	494	499	502	501	501	510
9 „	511	509	506	498	497	495	496	501	502	503	503	512
10 „	512	510	507	498	497	496	496	501	504	503	505	513
11 „	513	511	507	499	497	496	496	501	504	505	506	515

TABLE LXX.—*Excess in Grains of Mean Hourly Weight of a Cubic Foot of Common Air, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	5	3	5	4	4	2	3	2	4	6	6	5
1 A. M.	4	3	4	3	3	2	2	1	3	5	6	5
2 „	5	3	5	4	3	2	2	1	3	4	6	5
3 „	5	3	5	4	4	1	3	3	4	4	6	6
4 „	5	4	6	4	4	2	3	3	4	6	6	6
5 „	5	6	6	4	5	3	3	3	4	6	7	6
6 „	5	6	7	5	5	3	3	3	5	6	7	7
7 „	7	7	6	3	2	2	3	2	4	5	7	7
8 „	4	3	3	0	0	1	3	0	2	3	4	4
9 „	1	1	- 1	- 1	- 1	- 1	0	- 1	- 1	0	1	2
10 „	- 1	- 2	- 3	0	- 2	- 2	0	- 2	- 2	- 1	- 1	0
11 „	- 5	- 6	- 5	- 4	- 4	- 3	- 2	- 3	- 3	- 2	- 4	- 3
Noon.	- 8	- 7	- 7	- 6	- 5	- 4	- 2	- 3	- 3	- 6	- 7	- 7
1 P. M.	-10	- 9	- 9	- 6	- 5	- 6	- 4	- 3	- 5	- 6	- 7	- 9
2 „	-10	- 9	- 9	- 8	- 7	- 5	- 4	- 4	- 5	- 8	- 8	-10
3 „	-10	-10	- 9	- 7	- 6	- 4	- 3	- 4	- 5	- 8	- 8	- 9
4 „	- 8	-10	- 9	- 7	- 6	- 4	- 3	- 3	- 4	- 7	- 7	- 8
5 „	- 4	- 8	- 5	- 5	- 4	- 3	- 1	- 3	- 2	- 4	- 3	- 4
6 „	- 2	- 3	- 2	- 2	- 2	0	0	- 2	- 1	- 2	0	- 2
7 „	- 1	- 1	0	1	1	1	1	- 1	1	0	0	- 1
8 „	0	0	2	2	2	1	1	0	2	0	1	0
9 „	1	1	3	3	3	2	3	2	2	2	3	2
10 „	2	2	4	3	3	3	3	2	4	2	5	3
11 „	3	3	4	4	3	3	3	2	4	4	6	5

TABLE LXXI.—*Showing, for the Year* 1859, *the Mean Weight in Grains of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of a Cubic Foot of Common Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	grs.	grs.	
Midnight.	504	4	
1 A. M.	504	4	
2 „	504	4	
3 „	504	4	
4 „	505	5	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night. .. grs. 503
5 „	505	5	
6 „	506	6	
7 „	505	5	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day 497
8 „	502	2	
9 „	500	0	Mean 500
10 „	498	− 2	
11 „	496	− 4	
Noon.	494	− 6	
1 P. M.	493	− 7	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	493	− 7	
3 „	493	− 7	A maximum at 6 A. M.
4 „	493	− 7	A minimum at about 2 P. M.
5 „	497	− 3	
6 „	499	− 1	
7 „	500	0	
8 „	501	1	
9 „	501	1	
10 „	502	2	
11 „	502	2	

TABLE LXXII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Weight of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Weight of a Cubic Foot of Common Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of a Cubic Foot of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	517	500	17	7 A. M.	2 P. M.
February	515	498	17	7 „	3 „
March	510	494	16	6 „	3 „
April	500	487	13	6 „	2 „
May.....	499	487	12	6 „	2 „
June	496	487	9	6 „	1 „
July.....	496	489	7	7 „	2 „
August.....	502	495	7	6 „	3 „
September	505	495	10	6 „	2 „
October	507	493	14	6 „	3 „
November	507	492	15	7 „	3 „
December	517	500	17	7 „	2 „

TABLE LXXIII.—*Showing, for each Month, the Mean Weight in Grains of Vapour in a Cubic Foot of Common Air; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	grs.	grs.	
January	7·2	0·5	Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter ..... grs. 7·7
February.....	7·6	0·8	
March	7·9	− 0·1	
April	9·1	0·1	Mean of {April, May, June, / July, Aug. Sept.} or Summer ..... 9·7
May	9·5	− 0·3	
June.....	10·3	● 0·2	Mean of the year ..... 8·7
July	10·3	0·3	
August.....	7·6	0·0	Greatest monthly mean, in June and July ..... 10·3
September	9·6	0·2	Least monthly mean, in December ..... 6·6
October	9·2	− 0·1	
November	8·0	0·3	Difference..... 3·7
December.....	6·6	− 0·2	

TABLE LXXIV.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	7·0	7·4	7·9	9·2	9·5	10·1	10·2	9·6	9·6	9·3	8·1	6·6
1 A. M.	7·0	7·7	7·9	9·2	9·5	10·1	10·2	9·6	9·6	9·3	8·1	6·6
2 „	7.0	7·4	7·9	9·2	9·5	10·1	10·2	9·6	9·6	9·1	8·1	6·6
3 „	7·0	7·2	7·9	8·9	9·5	10·1	10·2	9·6	9·6	9·0	8·1	6·4
4 „	6·9	7·2	7·7	8·9	9·2	9·9	10·2	9·6	9·6	9·0	7·9	6·4
5 „	6·9	7·0	7·7	8·9	9·5	10·1	10·2	9·6	9·6	9·0	7·7	6·2
6 „	6·6	7·0	7·7	8·9	9·5	10·1	10·2	9·6	9·6	9·0	7·9	6·2
7 „	6·6	7·2	7·9	9·1	9·5	10·1	10·5	9·6	9·6	9·3	7·9	6·4
7 „	6·8	7·2	7·7	9·1	9·4	10·1	10·4	9·8	9·9	9·5	7·9	6·4
9 „	6·8	7·2	7·6	9·1	9·4	10·4	10·4	9·8	10·1	9·5	7·8	6·6
10 „	6·8	7·3	7·1	9·1	9·4	10·4	10·4	9·8	9·8	9·5	7·8	6·6
11 „	6·7	7·3	7·6	9·0	9·4	10·7	10·4	9·8	10·1	9·2	7·6	6·3
Noon.	6·9	7·6	7·8	9·0	9·3	10·3	10·4	9·8	10·1	9·1	7·7	6·3
1 P. M.	7·1	7·6	8·3	9·0	9·6	10·6	10·7	9·8	10·1	9·1	7·9	6·5
2 „	7·3	7·9	8·3	9·3	9·6	10·6	10·7	9·8	9·8	9·1	8·4	6·9
3 „	7·6	8·0	8·3	9·3	9·6	10·4	10·4	9·8	9·8	9·4	8·4	7·1
4 „	7·8	8·0	8·0	9·1	9·7	10·3	10·4	9·5	9·8	9·1	8·4	7·3
5 „	7·7	8·0	8·3	9·2	9·7	10·4	10·4	9·5	9·5	9·2	8·4	7·4
6 „	7·9	7·9	8·1	9·1	9·7	10·4	10·4	9·5	9·5	9·2	8·1	7·2
7 „	7·7	7·9	8·6	9·2	9·8	10·4	10·1	9·5	9·5	9·2	8·3	7·2
8 „	7·9	7·7	8·1	9·2	9·8	10·1	10·1	9·5	9·3	9·2	8·1	7·2
9 „	7·7	7·7	8·1	9·2	9·8	10·1	10·1	9·5	9·6	9·2	8·1	6·8
10 „	7·2	7·9	7·9	9·2	9·8	10·1	10·1	9·5	9·6	9·2	7·9	6·6
11 „	7·2	7·8	7·9	9·2	9·8	10·1	10·4	9·5	9·2	9·2	7·9	6·6

TABLE LXXV.—*Excess of the Mean Hourly Weight of Vapour in a Cubic Foot of Common Air, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	-0·2	-0·2	0·0	0·1	0·0	-0·2	-0·1	0·0	0·0	0·1	0·1	0·0
1 A. M.	-0·2	0·1	0·0	0·1	0·0	-0·2	-0·1	0·0	0·0	0·1	0·1	0·0
2 „	-0·2	-0·2	0·0	0·1	0·0	-0·2	-0·1	0·0	0·0	-0·1	0·1	0·0
3 „	-0·2	-0·4	0·0	-0·2	0·0	-0·2	-0·1	0·0	-0·2	-0·2	0·1	-0·2
4 „	-0·3	-0·4	-0·2	-0·2	-0·3	-0·4	-0·1	0·0	0·0	-0·2	-0·1	-0·2
5 „	-0·3	-0·6	-0·2	-0·2	0·0	-0·2	-0·1	0·0	0·0	-0·2	-0·3	-0·4
6 „	-0·6	-0·6	-0·2	-0·2	0·0	-0·2	-0·1	0·0	0·0	-0·2	-0·1	-0·4
7 „	-0·6	-0·4	0·0	0·1	0·0	-0·2	0·2	0·0	0·0	0·1	-0·1	-0·2
8 „	-0·4	-0·4	-0·2	0·0	-0·1	-0·2	0·1	0·2	0·3	0·3	-0·1	-0·2
9 „	-0·4	-0·4	-0·3	0·0	-0·1	0·1	0·1	0·2	0·5	0·3	-0·2	0·0
10 „	-0·4	-0·3	-0·8	0·0	-0·1	0·1	0·1	0·2	0·2	0·3	-0·2	0·0
11 „	-0·5	-0·3	-0·3	-0·1	-0·1	0·4	0·1	0·2	0·5	0·0	-0·4	-0·3
Noon.	-0·3	0·0	-0·1	-0·1	-0·2	0·0	0·1	0·2	0·5	-0·1	-0·3	-0·3
1 P. M.	-0·1	0·0	0·4	-0·1	0·1	0·3	0·4	0·2	0·5	-0·1	-0·1	-0·1
2 „	0·1	0·3	0·4	0·2	0·1	0·3	0·4	0·2	0·2	-0·1	0·4	0·3
3 „	0·4	0·4	0·4	0·2	0·2	0·1	0·1	0·2	0·2	0·2	0·4	0·5
4 „	0·6	0·4	0·1	0·0	0·2	0·0	0·1	-0·1	0·2	-0·1	0·4	0·7
5 „	0·5	0·4	0·4	0·1	0·2	0·1	0·1	-0·1	-0·1	0·0	0·4	0·8
6 „	0·7	0·3	0·2	0·0	0·3	0·1	0·1	-0·1	-0·1	0·0	0·1	0·6
7 „	0·5	0·3	0·7	0·1	0·3	0·1	-0·2	-0·1	-0·1	0·0	0·3	0·6
8 „	0·7	0·1	0·2	0·1	0·3	0·2	-0·2	-0·1	-0·3	0·0	0·1	0·6
9 „	0·5	0·1	0·2	0·1	0·3	0·2	-0·2	-0·1	0·0	0·0	0·1	0·2
10 „	0·0	0·3	0·0	0·1	0·3	0·2	-0·2	-0·1	0·0	0·0	-0·1	0·0
11 „	0·0	0·2	0·0	0·1	0·3	0·2	-0·1	-0·1	-0·4	0·0	-0·1	0·0

TABLE LXXVI.—*Showing, for the Year* 1859, *the Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	8·7	- 0·1
1 A. M.	8·7	- 0·1
2 „	8·7	- 0·1
3 „	8·6	- 0·2
4 „	8·6	- 0·2
5 „	8·5	- 0·3
6 „	8·5	- 0·3
7 „	8·6	- 0·2
8 „	8·7	- 0·1
9 „	8·7	- 0·1
10 „	8·8	0·0
11 „	8·8	0·0
Noon.	8·9	0·1
1 P. M.	9·0	0·2
2 „	9·1	0·3
3 „	9·2	0·4
4 „	9·1	0·3
5 „	9·1	0·3
6 „	9·0	0·2
7 „	8·9	0·1
8 „	8·9	0·1
9 „	8·9	0·1
10 „	8·8	0·0
11 „	8·7	- 0·1

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3 4, 5 A. M. } or Night.. grs. 8·7

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.... 8·9

Mean..... 8·8

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at 3 P. M.
A minimum at 6 A. M.

TABLE LXXVII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Weight of Vapour in a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Weight of Vapour in a Cubic Foot of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour in a Cubic Foot of Air, was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	7·9	6·6	1·3	6 P. M.	6 A. M.
February.....	8·0	7·0	1·0	4 „	6 „
March.....	8·6	7·1	1·5	7 „	10 „
April	9·3	8·9	0·4	3 „	6 „
May.....	9·8	9·3	0·5	7 „	Noon.
June.....	10·7	9·9	0·8	11 A. M.	4 A. M.
July.....	10·7	10·1	0·6	2 P. M.	8 P. M.
August.....	9·8	9·5	0·3	Uncertain.	Uncertain.
September	10·1	9·2	0·9	Noon.	11 P. M.
October	9·5	9·0	0·5	9 A. M.	Uncertain.
November	8·4	7·6	0·8	3 P. M.	11 A. M.
December.....	7·4	6·2	1·2	5 „	6 „

TABLE LXXVIII.—*Showing, for each Month, the Mean Weight in Grains of Vapour, required for complete Saturation of a Cubic Foot of Common Air; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Weight of Vapour required for complete Saturation.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	grs.	grs.	
January	2·1	− 0·2	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.... grs. 2·3
February.....	2·2	− 0·5	
March.....	2·6	− 0·2	
April	3·2	0·3	Mean of {April, May, June, July, Aug. Sept.} or Summer.... 1·9
May.....	2·1	− 0·7	
June.....	2·0	0·2	
July.....	1·4	0·2	Mean of the year..... 2·1
August.....	1·3	− 0·1	
September	1·1	− 0·4	Greatest monthly mean, in September ..... 3·2
October	1·7	− 0·4	Least monthly mean, in November ..... 1·1
November	3·0	0·1	
December.....	2·4	− 0·4	Difference .... 2·1

TABLE LXXIX.—*Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	1·2	1·4	1·7	1·9	2·0	1·4	0·9	0·9	0·6	0·9	1·8	1 6
1 A. M.	1·2	1·1	1·7	1·9	2·0	1·4	0·9	0·9	0·6	0·6	1·8	1·4
2 „	1·0	1·4	1·4	1·6	2·0	1·4	0·9	0·9	0·6	0·8	1·5	1·4
3 „	1·0	1·6	1 4	1·9	2·4	1·4	0·6	0·6	0·5	0·9	1·5	1·4
4 „	1·1	1·3	1·3	1·9	1·9	1·2	0·6	0·6	0·3	0·6	1·7	1·4
5 „	1·1	1·2	1·3	1·9	1·6	1·0	0·6	0·6	0·3	0·6	1·9	1·6
6 „	1·2	1·2	1·3	1·9	1·6	1·0	0·6	0·6	0,3	0·6	1·7	1 6
7 „	1·2	1·0	1·4	2 9	2·7	1·4	0·6	0·9	0·6	0·9	2·0	1·4
8 „	1·7	1·8	2·5	3·4	3·5	2·1	1·1	1·0	0·6	1·0	2·6	2·1
9 „	2·5	2·7	3·5	3·8	3·9	2·1	1·8	1·3	1·0	1·6	3·3	2·4
10 „	3·1	3·2	3·7	4·6	4·3	2·5	1·8	1·7	1·7	2·0	4·0	3·0
11 „	3·8	3·8	4·6	5·1	4·7	2·6	2·1	2·0	1·7	2·6	4·9	3·9
Noon.	4·2	3·9	4·7	5·5	5·2	3·4	2·1	2·0	1·7	3·4	5·6	4·5
1 P. M.	4·4	4·2	4·6	5·5	4·9	4·5	2·2	2·0	2·1	3·4	5·4	4 6
2 „	4·2	3·9	4·6	5·6	5·3	3·1	2·2	2·0	2·1	3·8	4·9	4·6
3 „	3·9	3·8	4 2	5·2	5·2	2 9	2·1	2·0	2·4	3·5	4 9	4·0
4 „	3·0	3·8	4·5	5·4	4·8	3·0	2·1	2·0	2·0	3·4	4·5	3·5
5 „	2·5	3·1	3·5	4·5	4·0	2·5	1·8	2·0	1·6	2·6	3·4	2·8
6 „	1·7	2·3	2·7	3·4	3·1	1·8	1·4	1·6	1·3	1·9	3·0	2·4
7 „	1·6	2·0	2·4	2·6	2·4	1·4	1·4	1·3	1·0	1·6	2·8	2·1
8 „	1·4	1·9	2·1	2·6	2·4	1·7	1·4	1·3	1·2	1·6	2 7	2·1
9 „	1·3	1·9	2·1	2·3	2·0	1·7	1 0	1·0	0·9	1·3	2·4	2·0
10 „	1·6	1·4	2·0	2·3	2·0	1·4	1·0	1·0	0·6	1·3	2·3	1·9
11 „	1·3	1·6	2·0	1·9	2·0	1·4	0·9	1·0	1·0	1·0	2 0	1·6

TABLE LXXX.—*Excess in Grains of Mean Hourly Weight of Vapour, required for complete Saturation of a Cubic Foot of Common Air, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 0·9	- 0·8	- 0·9	- 1·3	- 1·1	- 0·6	- 0·5	- 0·4	- 0·5	- 0·8	- 1·2	- 0·8
1 A. M.	- 0·9	- 1·1	- 0·9	- 1·3	- 1·1	- 0·6	- 0·5	- 0·4	- 0·5	- 1·1	- 1·2	- 1·0
2 „	- 1·1	- 0·8	- 1·2	- 1·6	- 1·1	- 0·6	- 0·5	- 0·4	- 0·5	- 0·9	- 1·5	- 1·0
3 „	- 1·1	- 0·6	- 1·2	- 1·3	- 0·7	- 0·6	- 0·8	- 0·7	- 0·6	- 0·8	- 1·5	- 1·0
4 „	- 1·0	- 0·9	- 1·3	- 1·3	- 1·2	- 0·8	- 0·8	- 0·7	- 0·8	- 1·1	- 1·3	- 1·0
5 „	- 1·0	- 1·0	- 1·3	- 1·3	- 1·5	- 1·0	- 0·8	- 0·7	- 0·8	- 1·1	- 1·1	- 0·8
6 „	- 0·9	- 1·0	- 1·3	- 1·3	- 1·5	- 1·0	- 0·8	- 0·7	- 0·8	- 1·1	- 1·3	- 0·8
7 „	- 0·9	- 1·2	- 1·2	- 0·3	- 0·4	- 0·6	- 0·8	- 0·4	- 0·5	- 0·8	- 1·0	- 1·0
8 „	- 0·4	- 0·4	- 0·1	0·2	0·4	0·1	- 0·3	- 0·3	- 0·5	- 0·7	- 0·4	- 0·3
9 „	0·4	0·5	0·9	0·6	0·8	0·1	0·4	0·0	- 0·1	- 0·1	0·3	0·0
10 „	1·0	1·0	1·1	1·4	1·2	0·5	0·4	0·4	0·6	0·3	1·0	0·6
11 „	1·7	1·6	2·0	1·9	1·6	0 6	0·7	0·7	0·6	0·9	1·9	1·5
Noon.	2·1	1·7	2·1	2·3	2·1	1·4	0·7	0·7	0·6	1·7	2·6	2·1
1 P.M.	2·3	2·0	2·0	2·3	1·8	2·5	0·8	0·7	1·0	1·7	2·4	2·2
2 „	2·1	1·7	2·0	2·4	2·2	1·1	0·8	0·7	1·0	2·1	1·9	2·2
3 „	1·8	1·6	1·6	2·0	2·1	0·9	0·7	0·7	1·3	1·8	1·9	1·6
4 „	0·9	1·6	1·9	2·2	1·7	1·0	0·7	0·7	0·9	1·7	1·5	1·1
5 „	0·4	0·9	0·9	1·3	0·9	0·5	0·4	0·7	0·5	0·9	0·4	0·4
6 „	- 0·4	0·1	0·1	0·2	0·0	- 0·2	0·0	0·3	0·2	0·2	0·0	0·0
7 „	- 0·5	- 0·2	- 0·2	- 0·6	- 0·7	- 0·6	0·0	0·0	- 0·1	- 0·1	- 0·2	- 0·3
8 „	- 0·7	- 0·3	- 0·5	- 0·6	- 0·7	- 0·3	0·0	0·0	0·1	- 0·1	- 0·3	- 0·3
9 „	- 0·8	- 0·3	- 0·5	- 0·9	- 1·1	- 0·3	- 0·4	- 0·3	- 0·2	- 0·4	- 0·6	- 0·4
10 „	- 0·5	- 0·8	- 0·6	- 0·9	- 1·1	- 0·6	- 0·4	- 0·3	- 0·5	- 0·4	- 0·7	- 0·5
11 „	- 0·8	- 0·6	- 0·6	- 1·3	- 1·1	- 0·6	- 0·5	- 0·3	- 0·1	- 0·7	- 1·0	- 0·8

TABLE LXXXI.—*Showing, for the Year* 1859, *the Mean Weight of Vapour, required for complete Saturation of a Cubic Foot of Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour required for complete Saturation of a Cubic Foot of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	grs.	grs.	
Midnight.	1·4	− 0·8	
1 A. M.	1·3	− 0·9	
2 „	1·2	− 1·0	
3 „	1·3	− 0·9	
4 „	1·2	− 1·0	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.. grs. 1·5
5 „	1·1	− 1·1	
6 „	1·1	− 1·1	
7 „	1·4	− 0·8	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day .. 2·9
8 „	2·0	− 0·2	
9 „	2·5	0·3	Mean ..... 2·2
10 „	3·0	0·8	
11 „	3·5	1·3	
Noon.	3·9	1·7	
1 P. M.	4·0	1·8	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	3·9	1·7	
3 „	3·7	1·5	A minimum at 6 A. M.
4 „	3·5	1·3	A maximun at 1 P. M.
5 „	2·9	0·7	
6 „	2·2	0·0	
7 „	1·9	− 0·3	
8 „	1·9	− 0·3	
9 „	1·7	− 0·5	
10 „	1·6	− 0·6	
11 „	1·5	− 0·7	

TABLE LXXXII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Weight of Vapour, required for complete Saturation of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Weight of Vapour required for complete Saturation.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour required for Saturation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	4·4	1·0	3·4	1 P. M.	3 A. M.
February	4.2	1·0	3·2	1 „	7 „
March	4·7	1·3	3·4	Noon.	6 „
April	5·6	1·6	4·0	2 P. M.	2 „
May.....	5·3	1·6	3·7	2 „	6 „
June.....	4·5	1·0	3·5	1 „	6 „
July.....	2·2	0·6	1·6	2 „	6 „
August.....	2·0	0·6	1·4	Uncertain.	Uncertain.
September	2·4	0·3	2·1	3 P. M.	6 A. M.
October	3·8	0·6	3·2	2 „	6 „
November	5·6	1·5	4·1	Noon.	3 „
December	4·6	1·4	3·2	2 P. M.	7 „

TABLE LXXXIII.—*Showing, for each Month, the Quantity of Water actually Evaporated in the Air; and its Periodic Changes from the Mean of the Year.*

Months, 1859.	Quantity of Water actually Evaporated in the Air.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	in.	in.	in.
January	5·983	−0·572	Sum of {Jan. Feb. March, Oct. Nov. Dec.} or Winter.. 38·789
February.....	5·768	−1·292	
March	6·888	−1·311	
April	9·030	0·609	Sum of {April, May, June, July, Aug. Sept.} or Summer.. 34·744
May.....	8·999	−0·172	
June.....	5·580	0·415	
July.....	4·030	0·258	Total quantity of water evaporated in the year. 73·533
August.....	3·844	−0·286	
September	3·270	−0·997	Greatest monthly evaporation, in April..... 9·030
October	4·867	1·288	Least monthly evaporation, in July ..... 3·270
November	8·370	0·166	
December.....	6·913	−0·887	Difference.... 5·760

TABLE LXXXIV.—*Mean Quantity of Water Evaporated in the Atmospheric Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·005	0·005	0·007	0·008	0·008	0·005	0·004	0·004	0·003	0·003	0·007	0·006
1 A. M.	·005	·005	·006	·008	·007	·005	·004	·003	·003	·003	·007	·006
2 „	·004	·005	·006	·007	·007	·005	·003	·003	·003	·003	·006	·006
3 „	·004	·006	·005	·007	·007	·005	·003	·003	·003	·003	·006	·006
4 „	·004	·005	·005	·007	·007	·005	·003	·003	·002	·003	·007	·005
5 „	·004	·005	·005	·007	·007	·005	·003	·003	·802	·003	·007	·006
6 „	·005	·004	·005	·006	·007	·005	·002	·003	·002	·002	·007	·005
7 „	·005	·005	·006	·009	·010	·005	·003	·003	·002	·003	·007	·005
8 „	·007	·008	·010	·013	·013	·007	·005	·004	·003	·005	·010	·008
9 „	·009	·010	·013	·016	·015	·009	·006	·006	·004	·007	·013	·010
10 „	·012	·012	·016	·018	·017	·010	·007	·006	·006	·008	·016	·012
11 „	·015	·014	·017	·021	·019	·012	·007	·007	·007	·011	·019	·015
Noon.	·017	·016	·018	·021	·020	·013	·008	·008	·008	·012	·022	·018
1 P. M.	·016	·017	·017	·022	·021	·013	·009	·008	·008	·013	·022	·018
2 „	·016	·016	·017	·022	·021	·013	·010	·009	·009	·014	·021	·017
3 „	·015	·015	·017	·021	·020	·012	·009	·009	·009	·013	·019	·016
4 „	·012	·014	·017	·021	·019	·012	·008	·008	·008	·012	·017	·013
5 „	·010	·012	·013	·017	·015	·009	·007	·007	·007	·010	·013	·011
6 „	·007	·009	·010	·013	·012	·008	·006	·006	·005	·007	·012	·009
7 „	·006	·008	·009	·010	·010	·007	·005	·005	·006	·007	·010	·008
8 „	·006	·007	·009	·010	·009	·006	·005	·004	·006	·006	·010	·008
9 „	·005	·007	·008	·009	·008	·006	·004	·004	·003	·005	·009	·008
10 „	·005	·006	·008	·008	·008	·005	·004	·004	·004	·004	·009	·008
11 „	·005	·006	·008	·008	·008	·005	·004	·004	·004	·004	·008	·007

TABLE LXXXV.—*Excess of the Mean Hourly Quantity of Water Evaporated above the Monthly Mean, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0·003	-0·004	-0·003	-0·005	-0·004	-0·003	-0·001	-0·001	-0·002	-0·004	-0·005	-0·004
1 A. M.	- ·003	- ·004	- ·004	- ·005	- ·005	- ·003	- ·001	- ·002	- ·002	- ·004	- ·005	- ·004
2 „	- ·004	- ·004	- ·004	- ·006	- ·005	- ·003	- ·002	- ·002	- ·002	- ·004	- ·006	- ·004
3 „	- ·004	- ·003	- ·005	- ·006	- ·005	- ·003	- ·002	- ·002	- ·002	- ·004	- ·006	- ·004
4 „	- ·004	- ·004	- ·005	- ·006	- ·005	- ·003	- ·002	- ·002	- ·003	- ·004	- ·005	- ·005
5 „	- ·004	- ·004	- ·005	- ·006	- ·005	- ·003	- ·002	- ·002	- ·003	- ·004	- ·005	- ·004
6 „	- ·003	- ·005	- ·005	- ·007	- ·005	- ·003	- ·003	- ·002	- ·003	- ·005	- ·005	- ·005
7 „	- ·003	- ·004	- ·004	- ·004	- ·002	- ·003	- ·002	- ·002	- ·003	- ·004	- ·005	- ·005
8 „	- ·001	- ·001	·000	·000	·001	- ·001	·000	- ·001	- ·002	- ·002	- ·002	- ·002
9 „	·001	·001	·003	·003	·003	·001	·001	·001	- ·001	·000	·001	·000
10 „	·004	·003	·006	·005	·005	·002	·002	·001	·001	·002	·004	·002
11 „	·007	·005	·007	·008	·007	·004	·002	·002	·002	·004	·007	·005
Noon.	·009	·007	·008	·008	·008	·005	·003	·003	·003	·005	·010	·008
1 P. M.	·008	·008	·007	·009	·009	·005	·004	·003	·003	·006	·010	·008
2 „	·008	·007	·007	·009	·009	·005	·005	·004	·004	·007	·009	·007
3 „	·007	·006	·007	·008	·008	·004	·004	·004	·004	·006	·007	·006
4 „	·004	·005	·007	·008	·007	·004	·003	·003	·003	·005	·005	·003
5 „	·002	·003	·003	·004	·003	·001	·002	·002	·002	·003	·001	·001
6 „	- ·001	·000	·000	·000	·000	·000	·001	·001	·000	·000	·000	- ·001
7 „	- ·002	- ·001	- ·001	- ·003	- ·002	- ·001	·000	·000	·001	·000	- ·002	- ·002
8 „	- ·002	- ·002	- ·001	- ·003	- ·003	- ·002	·000	- ·001	·001	- ·001	- ·002	- ·002
9 „	- ·003	- ·002	- ·002	- ·004	- ·004	- ·002	- ·001	- ·001	- ·002	- ·002	- ·003	- ·002
10 „	- ·003	- ·003	- ·002	- ·005	- ·004	- ·003	- ·001	- ·001	- ·001	- ·003	- ·003	- ·002
11 „	- ·003	- ·003	- ·002	- ·005	- ·004	- ·003	- ·001	- ·001	- ·001	- ·003	- ·004	- ·003

TABLE LXXXVI.—*Showing, for the Year* 1859, *the Mean Quantity of Water actually Evaporated in the Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Quantity of Water Evaporated in the Air.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·005	-0·004
1 A. M.	·005	- ·004
2 „	·005	- ·004
3 „	·005	- ·004
4 „	·005	- ·004
5 „	·005	- ·004
6 „	·004	- ·005
7 „	·005	- ·004
8 „	·008	- ·001
9 „	·010	·001
10 „	·012	·003
11 „	·013	·004
Noon.	·015	·006
1 P. M.	·015	·006
2 „	·015	·006
3 „	·015	·006
4 „	·013	·003
5 „	·011	·002
6 „	·009	·000
7 „	·008	- ·001
8 „	·007	- ·002
9 „	·006	- ·003
10 „	·006	- ·003
11 „	·006	- ·003

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night ..... in. 0·006

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day ..... 0·011

Mean.... 0·009

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum, at 6 A. M.
A maximum in the afternoon.

TABLE LXXXVII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Quantity of Water actually Evaporated in the Air, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Quantity of Water actually *Evaporated*.		Mean Diurnal Range.	The Time at which the Mean Hourly Quantity of Water Evaporated was at its.	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·017	0·004	0·013	Noon.	Uncertain.
February.....	·017	·004	·013	1 P. M.	6 A. M.
March	·018	·005	·013	Noon.	5 „
April	·022	·006	·016	1 P. M.	6 „
May.....	·021	·007	·014	2 „	Uncertain.
June.....	·013	·005	·008	1 „	„
July.....	·010	·002	·008	2 „	6 A. M.
August.....	·009	·003	·006	2 „	Uncertain.
September	·009	·002	·007	2 „	„
October	·014	·002	·012	2 „	6 A. M.
November	·022	·006	·016	Noon.	3 „
December.....	·018	·005	·013	1 P. M.	4 „

WIND.

THE Direction of Wind was taken from Osler's Self-Registering Anemometer, erected on the Western roof of the Astronomical Department. Its force on all ordinary occasions was observed by Lynd's Wind Gauge; but any force exceeding two pounds force was taken from Osler's Anemometer.

At Bombay the Wind blows in different directions in different seasons of the year; monsoonish Wind generally blows in Summer, and land and sea-breezes in Winter.

When the Wind quits its usual direction on any day and blows irregularly, that day is called Abnormal. The days on which the Wind turns round the compass, are also included in Abnormal Days.

The following is a list of Abnormal days on which the Wind has taken unusual sweeps during the Year 1859:—

JANUARY	2nd.—The wind veered	round	from	ESE to N	by direct circular motion of	248°	in 5 hours.
„	11th	„		ENE to NW	„	280	in 50 minutes.
„	14th	„		ENE to WNW	„	225	in 15 minutes.
„	17th	„		W b W to SE.	„	180	instantly.
„	22nd	„		ESE to N	„	280	in 4 hours.
FEBRUARY	5th.—The wind veered	round	from	ENE to W	by direct circular motion of	225	in 2 hours.
„	6th	„		SSW to NW	„	158	in 4 hours.
„	9th	„		N b E to NNW	„	271	in 3 hours.
„	17th.—The wind blew	abnormally		SSE to NW	„	506	in 3 sweeps.

MARCH 2nd.—The wind blew abnormally.
„ 22nd.—The wind veered round from NW to SW by direct circular motion of 258° in 2 sweeps.
„ 26th.—The wind blew abnormally.
„ 28th.—The wind veered round from SE to W by direct circular motion of 113 instantly.
„ 29th.—The wind veered round from NNW to WNW „ 325 in 6 hours.
„ 31st „ NNW to WNW „ 325 in 2 sweeps.
„ 31st „ NNW to NNW abnormally 360 in 12 hours.

APRIL 2nd.—The wind blew abnormally.
„ 7th „
„ 8th.—Southerly wind blew throughout the day.
„ 9th.—The wind blew abnormally.
„ 10th „
„ 11th „
„ 12th.—The wind veered from N to W by the direct circular motion of 270 in 6 hours.
„ 13th and 14th.—Monsoonish wind blew on these days.
„ 15th.—The wind veered round from W to SW by retrograde motion of 405 in 5 hours.
„ 19th „ ENE to NNW by direct circular motion of 292 instantly.
„ 20th „ N to N „ 360 in 4 hours.
„ 28th „ ENE to ENE „ 360 abnormally.
„ 29th „ NW to NW „ 360 in 2 sweeps.
„ 30th.—Monsoonish wind blew on this day.

MAY 1st.—The wind blew abnormally, and took unusual sweeps between 7 and 8 P. M.
„ 2nd.—The wind veered round from NE to NW by direct circular motion of 270 in 5 hours.
„ 27th „ N to NNW „ 338 in 4 hours.

JUNE 2nd.—Stormy wind blew after sun set from N and NE.
„ 5th.—The wind veered round from S to SE by direct circular motion of 337 instantly.
„ 5th „ SE to SW by retrograde motion of 270 in 2 hours.
„ 7th.—The wind blew abnormally.
„ 8th „
„ 11th „
„ 12th.—The wind veered round from E by S to WNW by direct circular motion of 541 in 1½ hour.

JULY 3rd.—The wind veered round from SW to NNW by direct circular motion of 461 in 6 hours.
„ 5th.—The wind blew abnormally this day.
„ 9th.—The wind veered round from W to W by retrograde motion of 360 in 5 hours.
„ 10th.—The wind blew abnormally this day.
„ 11th.—The wind veered round from SSW to W by direct circular motion of 428 in 7 hours.
„ 12th „ E b S to W b N „ 180 instantly.
„ 13th „ NW to NE „ 484 in 5 hours.
„ 15th „ NW to WNW „ 337 in 2 sweeps.
„ 16th „ NW to N „ 405 in 1 hour.

AUGUST 14th.—The wind blew abnormally this day.
„ 17th.—The wind veered round from SW to WNW by direct circular motion of 428 in 3 hours.

SEPTEMBER 13th.—The wind veered round from WNW to E by direct circular motion of 158 in 1¼ hour.
„ 13th „ E to N „ 270 in 2 hours.
„ 14th „ ENE to SSE by retrograde motion of 270 in 1½ hours.
„ 15th „ WNW to W b S by direct circular motion of 327 in 6 hours.
„ 16th „ WNW to NW „ 383 in 2 sweeps.
„ 17th.—The wind blew abnormally in the morning.
„ 18th.—The wind veered round from SSW to NNW by direct circular motion of 495 in 9 hours.
„ 20th „ NNE to N „ 338 in 2½ hours.
„ 25th.—The wind blew abnormally in the morning.
„ 27th.—The wind blew abnormally between 9 and 10 A. M.
„ 30th.—The wind veered round from N to W by direct circular motion of 270 in 5 hours.

OCTOBER 1st.—The wind veered round from E to W by direct circular motion of 180 in 1 hour.
„ 1st „ E to S by retrograde motion of 270 in ½ hour.
„ 2nd „ SSW to WSW by direct circular motion of 405 in ½ hour.
„ 4th „ SW to W b N „ 416 in 6 hours.
„ 4th „ W to NW „ 405 in ⅔ hour.

OCTOBER 20th.—The land and sea breeze were apparent, and the time of their changes was at ½ hour after post meridian of the sun.

„ 21st.—The wind veered round from ENE to WNW by direct circular motion of 225° instantly.

„ 24th „ NNW to W „ 270 in 3 hours.

„ 25th „ NE to NW „ 270 in 2 hours.

„ 26th.—The wind took unusual sweeps on this day.

„ 28th.—The wind veered round from NNW to NW by direct circular motion of 349 in 9 hours.

NOVEMBER 3rd.—The wind veered round from NNE to NW by direct circular motion of 293 in ½ hour.

„ 4th „ NNW to W „ 293 in 4 hours.

„ 5th „ E to NW „ 225 in 2 hours.

„ 6th „ NE to NW „ 270 in 2 hours.

„ 7th „ ENE to NW „ 248 instantly.

„ 11th „ NE to SSW by retrograde motion of 203 instantly.

„ 12th „ E to W by direct circular motion of 180 in 1 hour.

„ 22nd „ NE to NW „ 270 in ½ hour.

DECEMBER.—The wind blew in regular land and sea breezes during this month.

The Record on the Forces of Wind when the Pressure was above one pound.

JANUARY 3rd, 4th, 6th, 7th, 10th, 15th, 17th, 19th, 20th, 21st, 25th, 26th, 28th, 29th, and 31st.—Light breezes in the afternoon; the force of wind being above one pound.

„ 5th.—Fresh breezes of wind from NW in the afternoon, maximum force of wind two pounds.

FEBRUARY 2nd, 7th, 10th, 11th, and 28th.—Light breezes of wind in the afternoon; the force of wind was about one pound.

„ 12th.—Fresh breezes from NW in the afternoon; the maximum force of wind 3·5 lbs.

MARCH 15th, 16th, 17th, 24th, 30th, and 31st.—Light breezes of wind in the afternoon; the force of wind was about one pound.

„ 18th.—Fresh breezes of wind from NW in the afternoon; the maximum force was about two pounds.

APRIL 1st, 2nd, 16th, 18th, 21st, and 22nd.—Light breezes of wind in the evening; the force of which was about one pound.

„ 25th, 26th, and 27th.—NW breezes in the afternoon; the force of which was two pounds.

„ 3rd.—Squally wind from N and NE; the maximum force of wind was about five pounds.

MAY 11th, 22th, 13th, 14th, 16th, 17th, 18th, and 26th.—Light breezes of wind in the afternoon; the force of wind was about one pound.

„ 5th.—Fresh breezes of wind from NW; the force of which was between one and two pounds.

JUNE 1st, 4th, 11th, 15th, 16th, and 21st.—Wind blowing from S or SW; the force of which was about one pound.

„ 9th, 10th, and 20th.—Fresh breezes from W or SW; the force of which was above one pound.

„ 7th, 12th, 13th, and 14th.—Occasional squalls from NW or W; the force of which was about two pounds.

„ 5th.—Fresh breezes of wind between 4 and 6 P. M. from NE; the force of wind was three pounds.

„ 3rd.—Steady breezes of wind from S, the force of which was about two or three pounds in the afternoon; but at about midnight the force of wind was as high as eleven pounds: this storm began at 11 P. M. of the 2nd instant, and lasted at 3½ A. M. of the 3rd instant.

JULY 16th.—A storm from W; maximum force of wind was about 11·5 lbs.

„ 17th to 27th.—High winds from W and SW; the force of which was generally three or four pounds, but in some instances it rose as high as seven pounds.

„ 28th to 30th.—Occasional squalls from SW; the maximum force of wind was three pounds.

AUGUST 4th.—Fresh breezes of wind at 3h. A. M.; the force of which was two pounds.

„ 5th and 23rd.—Occasional puffs of wind; the force of which was one pound.

„ 22nd and 30th.—Light breezes of wind at midnight and in the morning; the force of which was one pound.

„ 24th to 27th.—Occasional squalls from WNW; maximum force of which was three pounds.

„ 29th.—High winds from W; the force of wind generally two pounds, but sometimes it rose to four and half pounds.

SEPTEMBER 10th.—Occasional puffs of wind; the force of which was about two pounds.

„ 4th, 7th, and 9th.—Fresh breezes of wind in the afternoon from W or SW; the force of which was about two or three pounds.

„ 6th, 8th, and 28th.—Smart breezes of wind at sunset; the force of which was about two pounds.

„ 26th to 29th.—Stormy wind from E or SE; the maximum force of which was about six pounds on the 26th, and about four pounds on the 29th instant.

OCTOBER 4th, 5th, 6th, 10th, 13th, 14th, 15th, 16th, 17th, 18th, 22nd, and 27th.—Light breezes of wind in the afternoon; the force of which was about one pound.

NOVEMBER 7th, 8th, 9th, 15th, 18th, 19th, and 24th.—Light breezes of wind from N or NW in the evening.

DECEMBER 1st, 2nd, 6th, 15th, 19th, 20th, and 31st.—Light breezes of wind from NW in the evening; the pressure of which was about one or two pounds.

The excess of the circular motion (direct above the retrograde) was as follows in each month of the year 1859:—

	rds. dg.		rds. dg.		rds. dg.		rds. dg.
January.....	+ 3·337	April	+ 3·158	July	+ 4·11	October.....	+ 8·270
February	+ 3·326	May	+ 1·23	August.....	+ 1·68	November	+ 6·292
March	+ 4·23	June.....	+ 0·22	September....	+ 6·203	December	+ 0·23

Total excess during the year was = 43 rounds and 316 degrees.

TABLE LXXXVIII.—*Showing the Sums of the Pressures of the Wind for different Directions in each Month without Distinction of Hours, and the Number of Hours during which it blew with a recorded force greater than 0·1 lb. on a square foot: and the General Range of Hours during which the Wind blew in each Direction; thirty-two Directions were Resolved to Eight Points by the rule heretofore Adopted.*

Months, 1859.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	53·65	159·5	At all hours.	17·35	92·5	Generally from 1 A. M. to noon.	3·45	20·0	No instance of true E.	0·45	1·5	No instance of true SE.
February .	47·85	120.5	At all hours.	4·75	30·5	From 6 A. M. to noon.	2·40	15·0	From 4 A. M. to 10 A. M.	0·05	0·5	No instance of true SE.
March ..	29·00	102·5	At all hours, except 1 P. M.	4·55	28·0	From 6 A. M. to noon.	1·20	7·5	A few instances.	1.20	6·0	A few instances.
April	22·70	47·5	At all hours.	2·85	13·5	From 6 A. M. to 9 A. M.	6·60	23·0	From midnight to 10 A. M.	2·80	14·0	From 4 A. M. to 8 A. M.
May	11·95	51·0	At all hours, except from 1 P. M. to 7 P. M.	0·15	1	Only one instance.	0·50	2·0	Only to instances.	2·25	12·5	From 2 A. M. to 10 A. M.
June	0.70	3·0	Only one instance of true N.	3·00	0·5	No instance of true NE.	3·00	0·5	No instance of true E.	9.00	16·5	Occasionally.
July	1·95	11·5	Occasionally.	2·50	16·5	From 5 A. M. to 10 A. M.	2·25	18·0	From 8 A. M. to noon.	2·25	12·5	A few instances of true SE.
August ..	9·05	15·0	From 6 A. M. to 3 P. M.	0·40	3·0	From 10 A. M. to noon.	0·20	1·0	A solitary instance.	0·05	0·5	None of true SE.
September.	6·25	35·0	Occasionally.	6·70	23·0	Occasionally.	12·95	44·5	Generally at all hours.	2·05	12·0	Very few instances of SE.
October ..	20·50	62·0	At all hours, except from noon to 6 P. M.	6.35	47·5	From 3 A. M. to noon.	4·95	41·0	From midnight to noon.	0.70	6·5	Only two instances.
November.	10·35	44·0	Occasionally.	11·70	99·0	From 1 A. M. to noon.	3·60	27·5	From 7 A. M. to noon.	0·15	1·0	None of SE.
December.	16·15	114·5	At all hours, except from 2 P. M. to 8 P. M.	5·80	53·0	From 6 A. M. to 1 P. M.	..	..	.....	..	..	.....
Sums	230·10	766·0		66·10	408·5		41·10	200·0		20·95	83·5	

TABLE LXXXVIII.—*(Continued.)*

Months, 1859.	N.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January ..	..	..	.....	..	..	.....	1·15	6·5	Only three instances of true W.	78·55	168·5	Occasionally.
February. .	0·15	1·5	A single instance.	1·45	8·5	A few instances.	1·85	11·0	A few instances.	112·40	241·0	At all hours.
March....	7·30	20·5	Occasionally.	5·65	17·0	From noon to midnight.	11·65	40·0	From 11 A. M. to 5 P. M.	108·05	218·5	At all hours, except 6 A. M.
April	9·60	42·5	At all hours, except from noon to 6 P. M.	11·30	64·0	Occasionally.	14·65	60·5	Occasionally.	89·85	174·0	At all hours, except 6, 7, and 8 A. M.
May	1·60	10·5	A few instances.	2·70	19·5	Occasionally.	23·10	114·0	At all hours, except from 4 to 7 A. M.	104·50	270·0	At all hours.
June	136·95	117·0	At all hours.	152·35	353·5	At all hours.	34·25	78·0	At all hours, excepting 1, 2, 8, 9, and 11 P. M.	9·90	22·0	Occasionally.
July	2·45	9·5	Only one instance of true S.	295·15	181·5	At all hours.	275·95	168·0	At all hours.	34·90	90·0	At all hours, except midnight and 3 A. M.
August ..	0·35	3·0	Only one instance.	38·15	168·0	At all hours, excepting 2 and 3 P. M.	74·45	258·5	At all hours.	58·95	98·0	At all hours, except noon.
September.	5·55	35·5	From 3 A. M. to 4 P. M.	35·95	126·0	At all hours, except 2 P. M.	29·75	118·0	At all hours, excepting 5 A.M. and 11 P. M.	20·15	67·5	Generally from 9 A. M. to 11 P. M.
October ..	0·90	6·0	Only four instances.	1·15	7·5	A few instances.	5·65	28·5	From noon to 4 P. M.	97·10	216·0	At all hours.
November .	..	..	.....	0·25	1·5	A single instance.	11·15	52·0	From 11 A. M. to 5 P. M.	62·65	174·0	From 10 A. M. to 11 P. M.
December..	..	..	.....	0·70	4·0	Only three instances.	13·60	37·0	From 11 A. M. to 8 P. M.	103·70	250·5	At all hours, except from 2 to 7 A. M.
Sums	164·85	246.0		544·80	951·0		497·20	972·0		880·70	1990·0	

TABLE LXXXIX.—*Showing the Sums of the Pressures and the Hours of Duration of each Wind during the Year* 1859, *for each Hour of Bombay Civil Time.*

Bombay Civil Time.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		Bombay Civil Time.
	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	
	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	
Midnight.	7·15	33·0	0.15	1·5	1·75	6·0	0·10	1·0	17·70	9·5	28·00	43·0	16·90	28·0	14·95	51·5	Midnight.
1 A. M.	6·65	30·0	0·95	5·0	1·45	7·0	0·40	2·0	13·20	8·0	20·45	39·0	18·85	26·5	11·55	41·5	1 A. M.
2 „	7.65	31·0	1·25	9.5	0·60	3·5	0·65	3·0	8·65	7·5	20·65	38·0	18·65	20·5	14·00	41·0	2 „
3 „	7·45	35·0	3·15	14·0	0·65	4·5	0·65	3·5	10·50	10·50	23·15	36·0	17.35	24·5	12·90	33·0	3 „
4 „	8·15	42·5	3·00	18·5	1·10	6·0	0·95	3·5	2·80	7.0	17·65	35·5	11·20	19·0	9·05	25·0	4 „
5 „	6·15	38·5	2·65	14·5	2·45	8·5	1·80	5·5	3·30	9·0	24·10	33·5	12·75	17·0	6·90	21·5	5 „
6 „	6·20	41·0	5·80	36.0	1·90	8.0	2·50	10 0	4·75	14·5	18·10	34·0	10·50	21·0	3·85	16·5	6 „
7 „	6.55	47·0	6·20	45·5	2·75	20·0	2·35	9·0	4·15	18·0	14·30	32·5	11·90	19·5	4·70	17·5	7 „
8 „	6·75	50·5	8·15	58·5	4·05	28·0	2·00	11·0	4·15	18·5	13.80	39·0	16·50	25·0	6·65	20·5	8 „
9 „	6·00	39·0	9·40	65·0	4·65	33·5	1·10	8·5	6·10	22·5	24.95	40·0	12·80	27·0	8·30	31·5	9 „
10 „	8·40	37·0	8·10	58·0	3·40	29·5	0·80	8·0	7·15	19.5	19·55	42·0	21·15	30·0	12·05	45·0	10 „
11 „	10·80	38·5	4.55	39·0	2·30	20·5	0·60	4.0	7·00	15·5	18·70	45·0	20·45	46·0	19.25	70·5	11 „
Noon.	11·75	29·0	2·50	20·0	0·85	7·0	0·35	2·0	5·65	7·5	20·60	53·0	31·75	63·0	39·25	103·0	Noon.
1 P. M.	6·95	16.0	0·40	4·0	0·25	2·0	0·20	1.0	6·05	7·0	25·30	48·0	32·35	80·0	66·95	142·5	1 „
2 „	8·35	12·0	0·10	1·0	0·05	0·5	0·40	2·0	6·65	8·5	29·50	40·0	37·95	89·0	83·30	146·0	2 „
3 „	9·05	10·0	0·10	1·0	0·50	1·0			6·20	6·5	30.50	36·0	37·60	90·5	95·95	157·0	3 „
4 „	9·35	11·0			0·20	1·0			4·90	5·0	30·75	39·5	23·55	76·5	100·85	167·0	4 „
5 „	16·00	20·0	0·05	0·5					7·50	5·0	26·00	39·5	27·35	66·5	86·60	170·5	5 „
6 „	18·15	30·0	4·10	2·0					6·45	7·0	21·70	41·5	19·60	45·0	73·50	151·5	6 „
7 „	18·00	28·5	0·50	3·5	1·90	3·5	0·40	0·5	5·05	7·0	19·65	34·5	21·50	43·0	79·80	155·5	7 „
8 „	16·70	35·5	1·00	4·0	1·30	3·0	1·50	1·0	5·80	7·0	26·10	37·0	15·65	34·5	58·05	134·0	8 „
9 „	12·45	41·0	3·30	2·5	3·30	2·5	0·80	2·5	4·25	6·0	32·80	42·0	13·15	25·0	31·25	101·5	9 „
10 „	8·40	37·0	0·20	1·0	0·40	2·0	0·55	2·5	5·75	9·5	19·70	41·5	32·15	28·5	21·30	77·0	10 „
11 „	7·05	33·0	0·50	4·0	0·30	2·5	2·55	3·0	11·15	10·0	18·80	41·0	15·60	26·5	19·75	69·5	11 „

TABLE XC.—*Showing the Mean Pressure of each Wind at each Hour of Bombay Civil Time, as obtained by dividing the Force of Wind in* TABLE LXXXIX. *by the Hours of Duration of each Wind.*

Bombay Civil Time.	Direction of Wind in 1859.								Bombay Civil Time.
	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	
Midnight.	0·22	0·10	0·29	0·10	1·86	0·65	0·60	0·28	Midnight.
1 A. M.	·22	·19	·21	·20	·52	·51	·71	·27	1 A. M.
2 „	·25	·13	·17	·22	·15	·54	·91	·34	2 „
3 „	·21	·22	·14	·20	·00	·64	·71	·39	3 „
4 „	·19	·16	·18	·27	0·40	·50	·59	·36	4 „
5 „	·15	·18	·29	·33	·37	·72	·75	·32	5 „
6 „	·15	·16	·24	·25	·32	·53	·50	·23	6 „
7 „	·14	·14	·14	·26	·23	·44	·61	·27	7 „
8 „	·13	·14	·14	·18	·22	·35	·66	·32	8 „
9 „	·15	·14	·14	·13	·27	·62	·47	·26	9 „
10 „	·23	·14	·11	·10	·37	·46	·70	·27	10 „
11 „	·28	·12	·11	·15	·45	·42	·44	·27	11 „
Noon.	·41	·12	·12	·18	·75	·40	·50	·38	Noon.
1 P. M.	·43	·10	·12	·20	·86	·55	·40	·47	1 P. M.
2 „	·70	·10	·10	·20	·79	·74	·42	·57	2 „
3 „	·90	·10	5·50		·95	·85	·42	·61	3 „
4 „	·85		0·20		·98	·77	·31	·60	4 „
5 „	·80	·10			1·50	·65	·41	·50	5 „
6 „	·60	2·05			0·92	·52	·44	·48	6 „
7 „	·63	0·14	·76	·80	·72	·57	·50	·51	7 „
8 „	·47	·25	·43	1·50	·83	·71	·45	·43	8 „
9 „	·30	1·32	1·32	0·32	·71	·78	·53	·31	9 „
10 „	·23	0·20	0·20	·22	·61	·47	1·10	·28	10 „
11 „	·21	·12	·12	·95	1·11	·46	0·60	·28	11 „

TABLE XCI.—*Showing the Mean Force of each Wind resolved into the Component Cardinal Directions, by the usual rules of Mechanics.*

Direction of Wind.	Mean Force of each Wind.	Resolved Force in the Direction of				Mean Force due to each Cardinal Direction.
		N.	E.	S.	W.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	0·3004	0·3004				0·7285
NE.	·1618	0·1152	0·1152			
E.	·2055		·2055			0·4980
SE.	·2509		·1773	0·1775		
S.	·6701			·6701		1·2524
SW.	·5729			·4056	0·4050	
W.	·5115				·5115	1·2294
NW.	·4426	0·3129			·3129	

The greatest Mean Force of Wind was recorded under Southerly Wind, next in order were SW, W, and NW.

The angle between the resultant and the meridian was equal to 59°20′17″, being about 2°39′05″ less than the Mean of the last six years.

Assuming the sum of hours of duration equal to unity, we have the relative prevalence of westerly wind over all the others, in the ratio of $\frac{5135}{10000}$, being about 0·01619 higher than the mean of the last six years.

TABLE XCII.—*Mean Azimuth of Wind reduced from the Registry of Osler's Anemometer, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	- 3°	- 8°	- 34°	* 178°	*-182°	-128°	-121°	-125°	-109°	⊙°	⊙°	- 55°
2	⊙	- 1	⊙	- 54	-152	-183	-121	-108	-126	⊙	1	- 29
3	- 9	- 15	- 69	1	- 94	-177	⊙	-116	-123	-120	⊙	- 23
4	- 2	- 20	- 15	11	- 86	-163	-104	-123	-133	⊙	⊙	- 25
5	- 5	⊙	- 23	-115	- 24	-104	⊙	-117	-124	- 13	⊙	- 30
6	- 8	* 67	- 28	-141	- 28	- 69	- 51	-109	-117	- 64	⊙	- 46
7	-11	- 21	- 43	-153	- 49	- 79	-102	-105	-135	- 38	⊙	- 28
8	5	- 10	- 22	-143	- 69	-144	- 52	- 92	-117	- 19	22	- 23
9	13	⊙	- 25	-143	- 57	-174	⊙	- 91	-118	- 12	10	- 7
10	17	- 10	- 29	-115	- 52	-184	*-146	-106	-144	1	- 13	- 41
11	⊙	- 8	- 19	- 86	- 36	-159	⊙	-123	-116	2	- 7	- 26
12	7	- 11	- 15	⊙	- 28	-162	⊙	-100	-120	12	⊙	- 34
13	- 8	- 9	- 25	-135	- 26	⊙	⊙	- 86	⊙	9	- 15	- 32
14	⊙	- 7	- 14	-109	- 29	-138	- 26	-116	* 220	- 7	- 5	- 44
15	- 3	5	- 2	⊙	- 45	-147	*-209	-101	⊙	- 12	- 26	- 38
16	8	- 25	- 16	- 23	- 35	-136	⊙	- 93	⊙	- 10	- 35	- 26
17	-14	⊙	- 21	- 23	- 23	-135	-108	⊙	- 15	2	- 14	- 15
18	16	- 34	- 17	- 8	- 36	-131	-105	-109	⊙	- 30	- 11	- 27
19	-10	- 26	- 28	⊙	- 80	-121	-107	-121	- 26	- 17	- 32	- 15
20	-11	- 15	- 13	⊙	- 73	-120	-122	- 87	⊙	- 14	- 24	- 16
21	16	- 38	- 7	- 47	- 97	-124	-120	- 74	- 1	⊙	- 5	- 29
22	⊙	- 39	⊙	- 57	- 60	-124	-109	- 31	- 5	- 26	⊙	- 7
23	13	- 41	-108	- 27	- 82	-130	-109	- 39	- 65	- 31	- 4	- 8
24	9	- 25	- 20	- 24	- 57	-128	-133	- 42	-136	⊙	17	2
25	14	- 38	- 42	- 23	- 79	-128	-120	- 51	- 57	⊙	- 7	- 5
26	-15	- 31	-135	- 28	- 45	-138	-111	- 79	26	15	- 10	- 13
27	-27	- 57	-137	- 33	⊙	-128	- 99	-102	30	- 8	- 16	- 19
28	-13	- 34	-117	⊙	- 74	-123	-107	- 91	50	- 1	- 19	- 26
29	-17		⊙	⊙	- 91	-119	-115	-110	41	- 2	- 23	- 21
30	2		- 17	-145	-123	-114	-129	- 98	⊙	17	- 49	- 30
31	1		⊙		-137		-119	- 99		23		- 30

* Denotes Abnormal days. ⊙ Denotes Circular days.

TABLE XCIII.—*Showing, for each Month, the Mean Azimuth of Wind; and its Differences from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Azimuth of Wind.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
	°	°	°
January	– 1	2	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter 16
February	– 22	– 5	
March	– 24	8	
April	– 70	– 22	Mean of {April, May, June, July, Aug. Sept.} or Summer 90
May	– 64	19	
June.....	–135	– 12	
July	–102	39	Mean of the year 53
August.....	– 95	3	
September	– 71	6	Greatest westerly azimuth, in June..... 135
October	– 13	8	Least westerly azimuth, in January..... 1
November	– 12	– 18	
December	– 25	– 26	Difference..... 134

TABLE XCIV.—*Mean Force of Wind, without regard to the Direction in which it blew, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1		0·18		0·25		0·36	0·20	0·32	0·23	0·08	0·11	0·34
2		·34		·20	0.17	1·40	·14	·20	·16	·15	·08	·32
3	0·40	·30	0·28		·07	2·92		·13	·21	·15	·10	·27
4	·34	·09	·19	·18	·13	0·51	·11	·28		·23	·08	
5	·48	·12	·15	·07	·30		·13	·30	·29	·26	·07	·09
6	·30			·10	·33	·18	·12	·16	·21	·18		·36
7	·24	·33	·19	·18	·12	·44	·09		·39	·55	·22	·17
8	·15	·32	·28	·19		·17	·17	·08	·29	·22	·23	·17
9		·31	·35	·10	·26	·55	·12	·12	·48		·22	·12
10	·23	·38	·37		·23	·72		·07	·35	·18	·09	·25
11	·12	·58	·40	·25	·35	·43	·12	·08		·16	·09	
12	·13	·90	·24	·12	·43		.12	·17	·12	·17	·05	·15
13	·23			·13	·69	·92	·11		·09	·36		·20
14	·12	·22	·36	·14	·44	·75	·19		·04	·53	·16	·22
15	·26	·15	·44	·18		·54	·08	·11	·09	·42	·23	·26
16		·07	·32	·32	.33	·62	1·31	·12	.15		·27	·15
17	·17	·15	.56		·40	·38		·10	·13	·32	·12	·15
18	·14	·35	·17	·38	·23	·35	·53	·21		·36	·22	
19	·35	·27		·18	·15		·21	·14	·15	·17	·25	·47
20	·33			·19	·13	·73	·47	·27	·20	·07		·47
21	·30	·31	·21	·39	·12	·45	3·03		·15	·14	·10	·16
22	·28	·28	·24	·53		·29	4·29	·57	·06	·32	·12	·16
23		·17	·11		·09	·46	3·38	·52	·06		·21	·17
24	·11	·29	·40			·40		·92	·08	·05	·42	·06
25	·53	·17	·15	·65	·13	·25	1·71	·72		·06	·14	
26	·35	·10	·32	·65	·38		2·70	·45	·34		·13	
27	·26	.22		·58	·23	·39	1·34	·40	·15	·30	·20	·20
28	·31	·37	·17	·37	·23	·27		·32	·25	·17		·21
29	·38		·26	·14	·23	·16	0·73		·32	·15	·15	·14
30			·55	·15	·09	·17	1·04	·50	·07		·10	·28
31	·26		·32		·15			·25		·20		·32

TABLE XCV.—*Showing, for each Month, the Mean Force of Wind, without regard to the Direction in which it blew; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Force of Wind.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.	
	lbs.	lbs.		lbs.
January	0·27	0·09	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	0·24
February	·27	·07		
March	·29	·06		
April	·26	·00	Mean of {April, May, June, July, Aug. Sept.} or Summer....	0·43
May	·25	- ·04		
June	·57	·18	Mean of the year	0·33
July	1·02	·56		
August	0·29	·00		
September	·19	·02	Greatest monthly mean, in July	1·02
October	·23	·08	Least monthly mean, in November	0·16
November	·16	·04		
December.....	·22	·08	Difference.....	0·86

TABLE XCVI.—*Mean Azimuth of Wind, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	- 11	- 29	- 30	- 66	- 70	- 136	- 104	- 96	- 67	- 23	- 16	- 26
1 A. M.	0	- 23	- 29	- 65	- 70	- 139	- 101	- 99	- 64	- 17	- 8	- 24
2 „	3	- 22	- 27	- 68	- 64	- 140	- 103	- 106	- 64	- 11	12	- 20
3 „	13	- 20	- 23	- 71	- 63	- 142	- 106	- 109	- 66	- 10	21	- 19
4 „	19	- 16	- 21	- 77	- 59	- 140	- 103	- 101	- 69	- 2	28	- 9
5 „	24	- 8	- 15	- 70	- 56	- 143	- 100	- 100	- 65	5	33	- 6
6 „	29	- 5	3	- 69	- 59	- 134	- 99	- 96	- 69	12	34	- 2
7 „	31	- 4	14	- 78	- 61	- 141	- 99	- 100	- 72	21	36	2
8 „	35	8	20	- 78	- 65	- 122	- 104	- 100	- 77	33	35	7
9 „	40	19	22	- 81	- 67	- 136	- 103	- 100	- 79	37	36	12
10 „	38	- 12	16	- 75	- 60	- 134	- 95	- 95	- 83	25	28	13
11 „	26	- 6	- 4	- 82	- 57	- 133	- 101	- 92	- 91	17	7	0
Noon.	6	- 24	- 26	- 79	- 62	- 128	- 98	- 93	- 87	- 14	9	- 26
1 P. M.	- 41	- 39	- 50	- 75	- 60	- 129	- 97	- 87	- 85	- 43	- 68	- 48
2 „	- 37	- 44	- 51	- 75	- 54	- 124	- 102	- 85	- 88	- 45	- 67	- 55
3 „	- 35	- 43	- 48	- 72	- 59	- 123	- 102	- 85	- 80	- 47	- 62	- 59
4 „	- 37	- 41	- 45	- 67	- 60	- 128	- 102	- 84	- 82	- 45	- 69	- 57
5 „	- 32	- 40	- 43	- 68	- 60	- 132	- 94	- 89	- 72	- 38	- 50	- 50
6 „	- 27	- 35	- 44	- 68	- 63	- 134	- 100	- 92	- 73	- 35	- 46	- 47
7 „	- 26	- 34	- 41	- 60	- 65	- 135	- 97	- 91	- 52	- 32	- 46	- 46
8 „	- 26	- 31	- 36	- 58	- 68	- 143	- 95	- 90	- 57	- 32	- 38	- 42
9 „	- 21	- 35	- 35	- 58	- 69	- 143	- 102	- 93	- 53	- 25	- 28	- 31
10 „	- 16	- 32	- 36	- 62	- 71	- 136	- 93	- 99	- 58	- 25	- 25	- 27
11 „	- 9	- 31	- 34	- 62	- 70	- 143	- 99	- 92	- 58	- 22	- 24	- 26

TABLE XCVII.—*Mean Force of Wind, without regard to the Direction in which it blew, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0·08	0·17	0·18	0·17	0·20	1·01	1·10	0·24	0·15	0·10	0·02	0·05
1 A. M.	·09	·11	·16	·12	·20	0·75	0·95	·29	·12	·10	·02	·02
2 „	·07	·14	·18	·11	·20	·58	·96	·36	·08	·09	·03	·07
3 „	·12	·10	·20	·14	·15	·75	·95	·39	·08	·08	·03	·01
4 „	·14	·08	·15	·10	·08	·37	·70	·28	·07	·06	·09	·01
5 „	·14	·08	·07	·12	·06	·42	1·06	·20	·10	·07	·03	·02
6 „	·16	·07	·10	·09	·05	·40	0·78	·19	·10	·07	·05	·06
7 „	·14	·07	·06	·08	·05	·34	·81	·22	·08	·09	·08	·07
8 „	·18	·07	·10	·11	·10	·32	·97	·20	·12	·15	·09	·09
9 „	·15	.15	·18	·12	·13	·43	·91	·28	·18	·14	·12	·10
10 „	·14	·14	·22	.18	·20	·45	1·12	·27	·15	·15	·11	·13
11 „	·16	·22	·28	·24	·23	·48	0·89	·25	·19	·19	·09	.16
Noon.	·20	·32	.37	·36	·31	·52	1.07	·44	·22	·29	·14	·24
1 P. M.	.26	·37	·44	·46	·36	·61	·24	·36	·31	·44	·18	·42
2 „	·42	·52	·58	·57	·43	·78	·17	·33	·44	·53	·29	·54
3 „	·54	·56	·68	·66	·53	·71	·14	·47	·61	·53	·30	·60
4 „	·57	·58	·69	·55	·56	·59	0·88	·33	·43	·60	·33	·59
5 „	·60	·52	·52	·43	·44	·60	1·29	·29	·35	·47	·50	·41
6 „	·61	·50	·46	·30	·37	·47	·05	·27	·39	·42	·45	·40
7 „	·58	·63	·48	·37	·37	·43	·15	·29	·16	·41	·45	·48
8 „	·52	·42	·28	·40	·32	·48	0·87	·23	·12	·30	·29	·49
9 „	·25	·32	·22	·24	·27	·78	1·10	·22	·10	·16	·11	·20
10 „	·15	·20	·18	·15	·23	·60	·34	·23	·13	·12	·03	·12
11 „	·10	·16	·21	·15	·16	·78	0·91	·26	·07	·08	·02	·10

TABLE XCVIII.—*Excess of the Mean Hourly Azimuth of Wind, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	-10	- 7	- 6	4	- 6	- 1	- 2	- 1	4	-10	- 4	- 1
1 A. M.	- 1	- 1	- 5	5	- 6	- 4	1	- 4	7	- 4	4	1
2 „	4	0	- 3	2	0	- 5	- 1	-11	7	2	24	5
3 „	14	2	1	- 1	1	- 7	- 4	-14	5	3	33	6
4 „	20	6	3	- 7	5	- 5	- 1	- 6	2	11	40	16
5 „	25	14	9	0	8	- 8	2	- 5	6	18	45	19
6 „	30	17	27	1	5	1	3	- 1	2	25	46	23
7 „	32	18	34	- 8	3	- 6	3	- 5	- 1	34	48	27
8 „	36	30	44	- 8	- 1	13	- 2	- 5	- 6	46	47	32
9 „	41	41	46	-11	- 3	- 1	- 1	- 5	- 8	50	48	37
10 „	39	10	40	- 5	4	1	7	0	-12	38	40	38
11 „	26	16	20	-12	- 3	2	1	3	-20	30	19	25
Noon.	7	- 2	- 2	- 9	2	7	4	2	-16	- 1	- 3	- 1
1 P. M.	-40	-17	26	- 5	4	6	5	8	-14	-30	-56	-23
2 „	-36	-22	-27	- 5	10	11	0	10	-17	-32	-55	-30
3 „	-34	-21	-24	- 2	5	12	0	10	- 9	-34	-50	-34
4 „	-36	-19	-21	3	4	7	0	11	-11	-32	-47	-32
5 „	-21	-18	-19	2	4	3	8	6	- 1	-25	-38	-25
6 „	-26	-13	-20	2	1	1	2	3	- 2	-22	-34	-22
7 „	-25	-12	-17	10	- 1	0	5	4	19	-19	-32	-21
8 „	-25	- 9	-12	12	- 4	- 8	7	5	14	-19	-26	-17
9 „	-20	-13	-11	12	- 5	- 8	0	2	18	-12	-16	- 6
10 „	-15	-10	-12	8	- 7	- 1	9	- 4	13	-12	-13	- 2
11 „	- 8	- 9	-10	8	- 6	- 8	3	3	13	- 9	-12	- 1

TABLE XCIX.—*Excess of the Mean Hourly Force of Wind above the Monthly Mean, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	-0·19	-0·10	-0·11	-0·09	-0·05	0·44	0·08	-0·05	-0·04	-0·10	-0·14	-0·17
1 A. M.	- ·18	- ·16	- ·13	- ·14	- ·05	·18	- ·07	·00	- ·07	- ·10	- ·14	- ·20
2 „	- ·20	- ·13	- ·11	- ·15	- ·05	·01	- ·06	·07	- ·11	- ·14	- ·13	- ·15
3 „	- ·15	- ·17	- ·09	- ·12	- ·10	·18	- ·07	·10	- ·11	- ·15	- ·13	- ·21
4 „	- ·13	- ·19	- ·14	- ·16	- ·17	- ·20	- ·32	- ·01	- ·12	- ·17	- ·07	- ·21
5 „	- ·13	- ·19	- ·22	- ·14	- ·19	- ·15	- ·04	- ·09	- ·09	- ·16	- ·13	- ·20
6 „	- ·11	- ·20	- ·10	- ·17	- ·20	- ·17	- ·24	- ·10	- ·09	- ·16	- ·11	- ·16
7 „	- ·13	- ·20	- ·23	- ·18	- ·20	- ·23	- ·21	- ·07	- ·11	- ·14	- ·08	- ·15
8 „	- ·09	- ·18	- ·19	- ·15	- ·15	- ·25	- ·05	- ·09	- ·07	- ·08	- ·07	- ·13
9 „	- ·12	- ·12	- ·11	- ·14	- ·12	- ·14	- ·11	- ·01	- ·01	- ·09	- ·04	- ·12
10 „	- ·13	- ·13	- ·07	- ·08	- ·05	- ·12	- ·10	- ·02	- ·04	- ·08	- ·05	- ·09
11 „	- ·11	- ·05	- ·01	- ·02	- ·02	- ·09	- ·13	- ·04	·00	- ·04	- ·07	- ·06
Noon.	- ·07	·05	·08	·10	·06	- ·05	·05	·15	·03	·06	- ·02	·02
1 P. M.	- ·01	·10	·15	·20	·11	·04	·22	·07	·12	·21	·02	·20
2 „	·15	·25	·29	·31	·18	·21	·15	·04	·25	·30	·13	·32
3 „	·27	·29	·39	·40	·28	·14	·12	·18	·42	·30	·14	·38
4 „	·30	·31	·40	·29	·31	·02	·14	·04	·24	·37	·17	·37
5 „	·33	·25	·23	·17	·19	·03	·27	·00	·16	·24	·34	·19
6 „	·34	·23	·17	·04	·12	- ·10	·03	- ·02	·20	·19	·29	·18
7 „	·31	·36	·19	·11	·12	- ·14	·13	·00	- ·03	·18	·29	·26
8 „	·25	·15	- ·01	·14	·07	- ·07	·15	- ·06	- ·07	·07	·13	·27
9 „	- ·02	·05	- ·07	- ·02	·02	·21	·08	- ·07	- ·09	- ·07	- ·05	- ·02
10 „	- ·12	- ·07	- ·11	- ·11	- ·02	·03	·32	·01	- ·06	- ·11	- ·13	- ·10
11 „	- ·17	- ·11	- ·08	- ·11	- ·09	·21	·11	- ·03	- ·12	- ·15	- ·14	- ·12

TABLE C.—*Showing, for the Year* 1859, *the Mean Azimuth of Wind, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.
	Winter.	Summer.	
	°	°	°
Midnight.	- 23	- 90	- 56
1 A. M.	- 17	- 90	- 54
2 „	- 11	- 91	- 51
3 „	- 6	- 93	- 48
4 „	0	- 91	- 45
5 „	6	- 89	- 42
6 „	12	- 78	- 33
7 „	17	- 92	- 38
8 „	23	- 91	- 34
9 „	28	- 94	- 33
10 „	18	- 90	- 36
11 „	7	- 93	- 43
Noon.	- 12	- 91	- 52
1 P. M.	- 48	- 89	- 68
2 „	- 50	- 88	- 69
3 „	- 49	- 87	- 68
4 „	- 42	- 87	- 64
5 „	- 39	- 86	- 62
6 „	- 38	- 88	- 63
7 „	- 34	- 83	- 59
8 „	- 29	- 85	- 57
9 „	- 28	- 86	- 57
10 „	- 27	- 87	- 57
11 „	- 24	- 87	- 55

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night .. ° -54

Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day .... -50

Mean..... -52

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.

Most easterly at about 9 A. M.
Most westerly at about 4 P. M.

Summer.

Most westerly at about 9 A. M.
Least westerly at about 6 A. M.

TABLE CI.—*Showing, for the Year* 1859, *the Mean Force of Wind for each Hour of Bombay Civil Time.*

Bombay Civil Times.	Mean Force of Wind.		Annual Mean.	FOR DAY AND NIGHT.
	Winter.	Summer.		
	lbs.	lbs.	lbs.	
Midnight.	0·10	0·48	0·29	
1 A. M.	·08	·41	·24	
2 „	·10	·38	·24	
3 „	·09	·41	·25	
4 „	·09	·27	·18	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night..... lbs. 0·30
5 „	·07	·33	·20	
6 „	·08	·27	·17	
7 „	·09	·26	·18	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day.. .... 0·37
8 „	·11	·30	·20	
9 „	·14	·34	·24	
10 „	·15	·39	·27	
11 „	·18	·38	·28	Mean..... 0·33
Noon.	·26	·49	·38	
1 P. M.	·35	·56	·45	
2 „	·48	·62	·55	
3 „	·53	·69	·61	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	·56	·56	·56	
5 „	·50	·57	·53	A maximum at 3 P. M.
6 „	·47	·47	·47	A minimum at 6 A. M.
7 „	·50	·45	·47	
8 „	·38	·40	·39	
9 „	·21	·45	·33	
10 „	·13	·45	·29	
11 „	·11	·39	·25	

TABLE CII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Azimuth of Wind, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	°	°	°	H.	H.
January	– 41	40	– 81	1 P. M.	9 A. M.
February.....	– 44	19	– 63	2 „	9 „
March	– 51	22	– 73	2 „	9 „
April	– 82	– 58	– 24	11 A. M.	8 P. M.
May.....	– 71	– 54	– 17	10 P. M.	2 „
June	–143	–122	– 21	Uncertain.	8 A. M.
July.....	–106	– 93	– 13	3 A. M.	10 P. M.
August.....	–106	– 84	– 22	2 „	4 „
September	– 91	– 52	– 39	11 „	7 „
October	– 47	37	– 84	3 P. M.	9 A. M.
November	– 69	36	–105	4 „	9 „
December	– 59	13	– 72	3 „	10 „

TABLE CIII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Force of Wind, without regard to its Direction, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lbs.	lbs.	lbs.	H.	H.
January	0·61	0·07	0·54	6 P. M.	2 A. M.
February	·58	·07	·51	4 „	7 „
March	·69	·06	·63	4 „	7 „
April	·66	·08	·58	3 „	7 „
May	·56	·05	·51	4 „	7 „
June	1·01	·32	·69	Midnight.	8 „
July	·34	·70	·64	10 P. M.	4 „
August	0·47	·19	·28	3 „	6 „
September	·61	·07	·54	3 „	4 „
October	·60	·06	·54	4 „	4 „
November	·50	·02	·48	5 „	Midnight.
December	·60	·01	·59	3 „	4 A. M.

TABLE CIV.—*Showing the Mean Height of Barometer, the Air Temperature, Wet Bulb, and Pressure of Dry Air under different Winds, during the Year* 1859.

Months, 1859.	N.					NE.				
	Barometer corrected. Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Dry Air.	No. of Observation.	Barometer corrected. Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Dry Air.	No. of Observation.
	in.			in.		in.			in.	
January	29·931	72°9	68°2	29·290	159·5	29·966	74°0	68°2	29·345	92·5
February	·940	74·6	68·5	·315	120·5	·977	78·5	70·3	·334	30·5
March	·896	77·8	72·3	·175	102·5	·915	79·6	70·7	·270	28·0
April	·736	84·2	73·9	·024	47·5	·835	83·1	76·0	·031	13·5
May	·769	83·2	76·4	28·951	51·0	·871	84·5	79·0	28·961	1·5
June	·663	79·7	77·3	·770	3·0	·686	80·6	76·6	·831	0·5
July	·674	84·6	80·8	·689	11·5	·646	82·2	80·3	·656	16·5
August	·799	77·3	76·6	·908	15·0	·746	79·7	78·9	·788	3·0
September	·797	80·3	77·5	·904	35·0	·825	81·3	78·9	·862	23·0
October	·878	79·4	75·8	29·041	62·0	·925	77·3	75·1	·092	47·5
November	·861	79·2	72·5	·147	44·0	·880	79·7	73·0	·152	99·0
December	·967	71·9	65·3	·416	114·5	·971	76·2	66·6	·426	53·0
	E.					SE.				
	in.			in.		in.			in.	
January	29·979	75°3	67°8	29·385	20·0	29·926	86°4	74°7	29·208	1·5
February	·976	76·9	71·1	·288	15.0	·905	74·2	71·3	·180	0·5
March	·903	78·9	70·4	·261	7·5	·950	84·3	75·0	·198	6·0
April	·798	84·4	75·3	·036	23·0	·832	84·1	76·3	·028	14·0
May	·873	79·7	74·0	·108	2·0	·856	83·0	77·5	28·993	12·5
June	·686	80·6	76·6	28·842	0·5	·622	80·2	77·1	·643	16·5
July	·641	85·0	82·0	·608	18·0	·616	81·7	80·3	·620	12·5
August	·708	79·4	78·3	·773	1·0	·696	78·1	76·0	·837	0·5
September	·801	80·0	78·0	·884	44·5	·809	81·2	78·5	·886	12·0
October	·882	80·2	76·9	29·011	41·0	·843	81·7	78·5	·925	6·5
November	·900	80·7	73·2	·176	27·5	·849	79·2	71·0	29·189	1·0
December										

TABLE CV.

Months, 1859.	S.					SW.				
	Barometer corrected. Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Dry Air.	No. of Observation.	Barometer corrected. Temperature.	Air Thermometer.	Wet Bulb.	Pressure of Dry Air.	No. of Observation.
	in.			in.		in.			in.	
January										
February	29·215	74°7	72°2	29·162	1·45	29·902	82°6	75°3	29·120	8·5
March	·937	81·2	78·1	·029	5·65	·913	84·9	78·8	·019	17·0
April	·849	84·1	78·1	28·973	11·30	·931	86·7	78·6	·064	64·0
May	·739	87·0	79·6	·831	2·70	.798	87·8	80·3	28·869	19·5
June	·610	84·9	80·5	·641	152·35	.714	84·7	79·9	·768	353·5
July	·570	83·4	81·2	·554	295·15	.607	81·1	78·8	·679	181·5
August	·731	81·3	78·0	·731	38·15	·750	80·8	77·4	·866	168·0
September	·772	79·6	77·6	·772	35·95	·761	79·6	76·9	·884	126·0
October	·697	82·4	76·0	·697	1·15	·771	83·7	79·0	·853	7.5
November						·796	90·6	76·0	29·074	1.5
December						·839	81·5	68·1	·303	4·0
	W.					NW.				
	in.			in.		in.			in.	
January	29·994	80°9	73°1	29·187	6·5	29·911	77°9	71°6	29·216	168·5
February	·870	84·0	76·4	·061	11·0	·900	78·8	72·8	·172	241·0
March	·880	82·8	74·7	·122	40·0	·853	80·8	73·7	·110	218·5
April	·785	81·9	78·6	28·865	60·5	·649	73·9	66·9	·068	174·0
May	·792	89·2	79·6	·920	114·0	·814	88·1	81·2	28·850	270·0
June	·682	84·8	80·3	·721	78·0	·638	83·0	78·8	·721	22·0
July	·619	81·9	78·5	·703	168·0	·647	85·6	82·0	·620	90·0
August	·736	81·4	77·8	·844	258·5	·700	79·2	77·2	·806	98·6
September	·762	81·7	78·0	·864	118·0	·782	82·3	78·5	·869	67·5
October	·771	85·3	79·6	·845	28·5	·839	82·5	76·8	·998	216·0
November	·811	86·0	75·5	29·059	52·0	·828	82·8	74·8	29·067	174·0
December	·880	79·8	70·7	·220	37·0	·922	76·3	69·3	·289	250·5

TABLE CVI.—*Showing the Effect of Different Winds on the Extent of Clouds, and the Fall of Rain during the Year* 1859.

Months, 1859.	N.				NE.				E.				SE.			
	Extent of Clouds.	No. of Observation.	Rain.	No. of Observation.	Extent of Clouds.	No. of Observation.	Rain.	No. of Observation.	Extent of Clouds.	No. of Observation.	Rain.	No. of Observation.	Extent of Clouds.	No. of Observation.	Rain.	No. of Observation.
			in.				in.				in.				in.	
January	2·2	33.5			2·4	26·0			1·8	5·0			1·0	1·5		
February	3.1	24·0			2·0	11·5										
March	3·5	33·0			3·6	10·0			6·0	5·5			2·3	3·0		
April	4·0	23·5	0.03	1·0	3·0	12·5			4·7	13·5			4·4	12·0		
May	4·0	51·5			2.7	1·5			1·0	1·0			2·3	12·5		
June	7·7	3·0	0·57	1·5	2·7	0.5	0·02	0·5	2·7	0·5	0·02	0·5	7·2	16·5	0·25	3·0
July	7·4	11·5	0·20	1·0	6·8	16·5	1·00	6·0	6·0	18·0	0·04	1·0	6·7	11·5	0·05	1·5
August	8·0	15·0	2·22	12·0	8·0	3·0	0·24	1·0	7·0	1·0			8·0	0·5		
September	6·5	32·0	0·73	3·0	6·3	22·0			6·9	44·5	1·91	6·0	5·8	11·0	1·01	5·0
October	2·9	44·5	0·17	0·5	2·8	41·0			3·2	39·5			6·2	6·0		
November	3·1	30·5			2·7	63·5			4·8	17·0			7·0	1·0		
December	3·9	32·0	0·03	0.5	3·6	35·0										
	S.				SW.				W.				NW.			
January									1·0	3·5			2·8	44·5		
February									1·0	1·0			2·5	77·5		
March	3·2	10·0			3·2	9·0			3·0	20·5			3·3	62·0		
April	2·1	27·0			3·3	27·0			3·6	15·0			3·2	70·0		
May	4·4	8·5			3·5	16·0			2·7	84·5			2·8	176·0		
June	5·5	116·0	0·64	6·0	6·1	354·0	3·62	21·5	5·9	74·5	2·33	9·5	7·0	21·0	1.19	8·5
July	7·1	8·5	0·26	1·5	7·1	181·0	7·32	54·0	7·1	166·5	9·92	56·0	6·3	90·5	1·33	11·0
August	7·5	3·0			7·0	170·0	0·96	12·0	6·8	258·0	3·02	32·5	7·5	97·0	5·78	43·5
September	7·2	35·0	0·22	5·5	6·5	126.0	0·75	10·5	6·2	118·0	0·56	11·5	6·6	67·5	0·05	2·0
October	5·6	6·0			4·2	7·5			4·0	26·5			2·8	173·0	0·18	0·5
November					1·0	0·5			2·5	32·5			3·4	102·0		
December									3·5	12·0	0·05	1·5	3·5	92·0	0·06	1·0

SYNOPSIS OF THE WEATHER DURING THE YEAR 1859.

January.

From the beginning to the 8th instant the sky was partially clouded with cirro-cumuli, moving SE; it afterwards remained cloudless; a few cirri were observed in the sky on the 17th instant, but they were not visible till the 22nd instant; cirri were seen in the sky during the day time between 22nd and 27th; the 28th was perfectly cloudless, between 29th and 31st cirri were often observed in the sky.

February.

The first two days of this month were cloudless, but on the 3rd and 4th a few light cirri were visible in the sky; the 5th was almost cloudless, but on 7th and 8th the sky was partially clouded with cirro-cumuli and cirri; between 8th and 15th there were no clouds in the sky, and dew fell copiously at night; on the 15th the sky remained partially clouded, but the following day was quite cloudless; between 16th and 25th the sky was more or less clouded by cirro-cumuli and cirri; the 25th and 26th were cloudless days, but the following two days were partially cloudy.

March.

On the 3rd instant the sky was clouded with dense masses of nimbi, from which drizzling rain fell at 2 A. M.—the sky almost cleared away after sunrise; between 4th and 12th the sky was partially clouded either with cirro-cumuli or cirri in the morning or evening; the 14th was a perfect cloudless day; between 15th and 22nd pieces of clouds were seen in hor. in the morning or evening; after the 23rd instant cumuli were always seen along E hor. in the afternoon, but lightning was only noticed on the nights of 25th, 26th, 28th, and 31st; between 23rd and 31st of this month cirro-cumuli were seen scattered about the sky, but on the night of the 31st masses of nimbi were observed moving SW, from which a few passing drops of rain fell at 9 P. M.

April.

For the first three days of this month, ranges of cumuli were seen along E hor., through which lightning proceeded after sunset; the sky was partially clouded with nimbi and cirro-cumuli on those days, but on the evening of the 2nd instant it was more densely so, and also accompained with lightning, thunder, and rain; between 4th and 8th instants the sky was more or less clouded with patches of cirro-cumuli, moving landward; between 9th and 12th it remained almost clouldless with a few pieces of cirro-cumuli sometimes visible about hor.; between 13th and 17th the sky was partially clouded with patches of cirro-cumuli, but 19th and 18th were cloudless days. After the 20th instant, nimbi, cirri, or cirro-cumuli, were seen scattered about the sky; between 27th and 30th cumuli were seen along E hor. in the afternoon, throughout which lightning proceeded, but accompanied with thunder only on

the 28th and 30th instants ; heavy masses of clouds moved seaward, but rain fell from them only on the nights of 28th and 30th.

Lightning	2, 3, 4, 21, 27, 28, 30.
Thunder.....	3, 28, 30.
Rain	3, 28, 30.
Strong Wind....	3, 27, 28.

May.

The sky was partially clouded with loose and light clouds for the first ten days of this month, but afterwards they grew rather heavier and denser in their formation. After the 20th instant cumuli were seen along hor. from NE to SE, through which lightning proceeded after the 27th instant, but thunder was never noticed ; the weather was disturbed during the close of this month, and showed that a change in seasons was soon to occur.

Lightning ..... 20, 27, 28, 29, 31.
Fresh breezes of wind from NW on the 5th instant.

June.

During the first half of this month, the weather was gusty, sultry, and disturbed ; ranges of cumuli were seen along E hor., accompanied with lightning and occasionally with thunder ; the sky was densely clouded with heavy nimbi, moving generally NE ; rainy season regularly set in after the 4th instant ; wind's force moderate, but very smart on the 2nd instant ; a heavy fall of rain on the 11th and 12th, the amount of rain fallen was equal to 12.40 inches. After the 13th instant, the sky was always clouded with nimbi and other dense clouds, which moved generally NE ; but the fall of rain from them was much smaller than the average fall of rain for that period.

Lightning..	1, 2, 3, 6, 7, 8, 11.
Thunder ..	2, 8, 11.
Rain	2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 21, 25, 27, 28, 29, 30.
Strong Wind.	2, 3, 5, 7, 9, 10, 12, 13, 14, 20, 23.

July.

From the beginning to the 4th instant, the sky was clouded with nimbi and cirro-cumuli ; on the 5th the sky was densly clouded with lightning, thunder, and rain at night ; between 6th and 8th the prevailing clouds were nimbi and cirri ; between 9th and 19th the weather was disturbed with strong wind continually blowing. After the 19th instant the sky was clouded with nimbi, which kept moving landward ; a few lighter sorts of clouds were now and then observed. The fall of rain during the bad weather about the middle of the month was about 22 inches.

Lightning....	4, 5, 9, 11, 12, 13, 14, 15, 16, 17, 18.
Thunder	5, 11, 12, 13, 14, 15, 16, 17, 18.
Rain.....	5, 8, 9, 10, 11, 13, 15, 16, 17, 18, 19, 20, 31.
Strong Wind.	16, 17, 18, 19, 20, 31.

August.

During this month the sky was densely clouded with nimbi, cirri, and cirro-cumuli, but the heavy masses of nimbi, which generally moved landward, mostly prevailed. The amount of clouds in the sky

was smaller in the first half of this month, than the latter half. The amount of rain fallen in this month was nearly equal to half the quantity fallen during the last month. There were two instances of lightning in this month, viz: on the 15th and 20th.

Lightning....	15, 20.
Rain	1, 2, 3, 4, 5, 6, 8, 13, 14, 16, 18, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31.
Strong Wind..	4, 5, 22, 23, 24, 25, 26, 27, 29, 30.

SEPTEMBER.

From the beginning of this month to the 20th instant, the sky was densely clouded with nimbi and cirro-cumuli, moving landward. The stormy weather appears to have commenced after the 20th of September, and ended after the 4th of the next month. During this stormy period the ranges of cumuli were always seen around hor., chiefly along E hor., through which lightning proceeded, often accompanied with thunder; the wind took unusual sweeps and sometimes veered round the compass by a direct circular motion of more than 360 degrees. The infuriated elements seem to have spent their fury on the 26th instant, when the electric state of the atmosphere was unusually high, accompanied with smart rain and wind.

The following are the remarkable days in this month :—

Lightning ..	20, 22, 23, 24, 26, 27, 28, 29, 30.
Thunder....	22, 23, 26, 27, 28, 29, 30.
Rain	1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 17, 18, 19, 21, 22, 26, 28, 29.
Strong Wind	4, 6, 7, 8, 9, 10, 11, 26, 28, 29.

OCTOBER.

The stormy weather and the rainy season appears to have ended on the 4th instant, but afterwards within the first half of this month light nimbi, cirro-cumuli, and cirri were seen scattered throughout the sky. The 17th was almost a cloudless day, but after 17th denser clouds gave way to cirri and cirro-cumuli, which were seen scattered about hor. during the remainder of this month.

Lightning.....	1, 2, 3.
Thunder	1, 2, 3.
Rain	1, 2, 3, 4.

NOVEMBER.

During the first ten days of this month cirri and patches of cirro-cumuli were seen scattered about hor.; but after the 10th instant the sky remained more clouded by them than before the 10th instant. After the 27th a few higher cirri were sometimes visible around hor. The state of atmospheric air was more humid, and the fall of dew was frequently noticed after midnight.

DECEMBER.

The sky was partially clouded with cirri and cirro-cumuli on the 1st instant, but on the 2nd after 1h. A. M. heavy masses of nimbi were seen in the sky, the motion of which was generally SE; light rain fell between 1h. 45m. and 3h. 35m. A. M., attended with no change in the other meteorological elements. After the 3rd instant the sky was more or less clouded with cirri and cirro-cumuli. The 5th, 6th, 14th, and 30th, were all cloudless days. Our tropical winter seems to have set in about the beginning of this month.

TABLE CVII.—*Showing Remarkable Days during each Month of the Year* 1859.

Months, 1859.	Windy Days.	Entire Cloudless Days.	Almost Cloudless Days.	Lightning and Thunder both, Number of Days.	Lightning only, Number of Days.	Thunder only, Number of Days.	Number of Rainy Days when the Fall of rain was below 0·01 inch.	Number of Rainy Days when the Fall of rain was above 0·01 inch.	Meteorological Disturbance Days.	Magnetic Disturbance Days.
January	18	10	2	0	0	0	0	0	1	0
February	7	8	3	0	0	0	0	0	4	1
March	7	0	6	0	4	0	0	2	0	0
April	10	1	4	3	4	0	2	1	3	2
May	9	0	1	0	5	0	0	0	1	0
June	15	0	0	3	4	0	6	18	1	4
July	11	0	0	8	2	0	4	18	2	3
August	10	0	0	0	2	0	6	18	1	1
September	0	0	0	7	2	0	7	18	5	2
October	11	0	1	2	0	0	0	4	7	0
November	7	0	2	0	0	0	0	0	1	0
December	7	4	5	0	0	0	0	1	2	0
Sum	121	23	24	23	23	—	25	80	28	13
Excess in 1859 above the Average of 6 Years	+ 24	+ 3	- 8	+ 5	- 8	—	- 5 Above the average of 2 years.	- 24	—	—

TABLE CVIII.—*Mean Extent of Clouds in the Sky (the whole being equal to* 8 *parts), for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1				1·5		3·5	5·0	7·9	6·3	6·0	0·5	2·8
2				2·0	1·7	4·2	3·8	8·0	5·8		0·3	3·1
3	4·9	0·4	3·7		0·7	4·8		7·9	7·1	6·0		0·1
4	2·6	0·4	1·9	2·4	1·0	4·2	6·3	7·8		4·0	0·3	
5			0·7		1·0		7·2	7·1	7·5	5·4		
6	0·5			1·4		7·7	5·0	6·3	6·3	5·2		
7	1·3	2·2	1·9	1·6	1·8	8·0	4·5		7·6	2·4	0·8	
8	0·2	5·0	1·3	0·5		7·8	5·9	4·1	6·7	1·8	0·2	
9			1·8		2·2	7·2	6·3	4·6	7·0		3·4	2·6
10			0·5		2·5	5·7		6·8	8·0	1·9	4·9	4·9
11			1·2	0·2	3·5	7·7	6·6	6·0		2·2	4·9	
12			1·4		2·5		5·7	7·2	5·8	1·1	6 3	1·2
13				1·2	2·2	8·0	6·3		6·8	0·8		0·4
14		0·1		2·2	2·4	8·0	7·4		6·0	1·9	4·7	
15		1·1		1·2		7·3	7·8	5·8	6·3	2·0	4·5	
16				2·2	2·9	7·2	6·8	7·3	4·1		3·5	1·4
17	0·8				2·5	5·5		7·2	6·8		2·6	2·4
18		1·0	1·3		2·6	6·4	8·0	7·5		2·0	1·5	
19		2·3			1·8		8·0	6·9	6·7	2·5	2·8	1·2
20				0·8	2·3	4·9	7·9	6·5	7·8	0·6		
21		2·0		1·3	2·2	6·4	7·8		7·0	0·8	1·3	0·1
22	0·2	2·1	0·6	2·5		4·2	8·0	7·9	7·6	2·7	2·3	3·9
23		1·8	2·6		3·5	6.5	8·0	8·0	5·4		1·1	4 7
24	1·7	0·6	4·0			7·1		8·0	4·8	3·8	6·8	6·6
25	0·7		3·6	2·0	2·3	5·5	7·1	8·0		1·6	0·6	
26	0·1		1·9	0·8	1·0		7·6	8·0	6·0		0·2	
27	0·5	0·2		2·7	3·1	4·9	7·9	7·6	6·0	1·0	0·2	0·2
28		0·6	1·8	2·6	5·8	5·6		6·8	6·1	0·1		
29	0·5		0·3	5·9	3·8	4·5	7·7		5·7	1·3	0·1	0·7
30				2·8		4·9	7·5	6·3	6·5		0·7	
31	0·4		1·8		3·5			6·6		1·6		

TABLE CIX.—*Showing, for each Month, the Mean Portion of the Cloudy Sky ; and its Difference from the Mean of the last Thirteen Years.*

Months, 1859.	Mean Portion of Cloudy Sky.	Difference from the Mean of the last Thirteen Years.	FOR SEASONS.
January	0·6	− 0·8	Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter ..... 1·4
February	0·6	− 0·6	
March	1·3	− 0·2	
April	1·5	− 0·4	Mean of {April, May, June, / July, Aug. Sept.} or Summer ..... 5·0
May	2·4	− 0·8	
June.....	6·1	− 0·3	Mean of the year ..... 3·2
July	6·8	+ 0·4	
August.....	7·0	0·0	
September.....	6·4	0·6	Greatest monthly mean, in August..... 7·0
October	2·3	− 0·9	Least monthly mean, in January and February .... 0·6
November	2·0	0·3	
December.....	1·4	0·0	Difference..... 6·4

TABLE CX.—*Mean Portion of the Cloudy Sky (the whole being equal to 8 parts) in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·7	1·0	1·3	1·7	2·1	6·1	6·7	6·9	6·5	2·0	2·0	0·7
1 A. M.	0·9	0·8	1·3	2·3	3·6	5·4	6·5	7·1	5·9	2·1	2·0	0·7
2 „	0.5	1·1	1·4	2·7	3·7	5·2	6·6	7·3	5·8	2·2	2·1	0·9
3 „	0·5	1·1	1·2	2·2	3·0	5·8	6·3	7·0	5·9	2·2	2·2	1·2
4 „	0·6	0·8	1·0	2·3	2·9	5·3	6·4	7·3	6·0	2·0	2·6	1·2
5 „	0·3	0·6	1·5	2·2	3·0	5·7	6·8	7·3	6·7	2·3	2·2	1·5
6 „	0·4	1·0	2·1	2·3	3·5	6·3	7·4	7·5	6·8	3·0	2·8	1·8
7 „	0·6	0·8	2·4	1·8	3·9	6·6	7·0	7·2	6·7	3·4	2·4	2·2
7 „	0·4	0·9	2·5	1·8	2·9	6·3	6·9	7·2	6·9	3·9	2·4	2·0
9 „	0·8	0·7	2·4	1·8	2·4	6·6	6·6	7·3	6·5	3·3	2·0	1·7
10 „	0·9	0·8	1·7	1·5	1·9	6·9	6·3	7·3	6·5	3·4	1·8	1·8
11 „	0·8	0·8	1·1	1·2	1·5	6·1	6·5	7·0	5·9	2·8	1·6	1·6
Noon.	0·6	0·5	0·8	1·1	1·0	5·9	6·4	6·7	5·8	2·6	1·6	1·6
1 P. M.	0·5	0·6	0·8	1·2	1·2	6·0	6·4	7·0	5·5	2·2	1·6	1·6
2 „	0·5	0·6	0·7	1·2	1·1	6·2	7·0	7·0	5·0	2·3	1·7	1·8
3 „	0·6	0·4	0·9	1·0	1·0	6·1	7·2	7·0	5·8	2·2	2·0	2·0
4 „	0·6	0·3	1·2	1·1	1·1	6·3	7·3	6·5	6·8	2·5	2·2	1·9
5 „	0·8	0·1	1·5	1·1	1·3	6·3	7·2	6·8	6·9	2·6	2·4	1·8
6 „	0·7	0·2	1·8	1·1	1·9	6·5	7·4	7·0	7·0	2·4	2·1	1·6
7 „	0·5	0·1	1·2	1·0	2·5	7·0	7·2	7·1	7·1	1·8	1·8	1·1
8 „	0·4	0·3	1·1	0·6	2·8	5·6	7·0	6·5	6·9	1·3	1·9	0·7
9 „	0·4	0·3	0·8	0·8	3·0	5·5	7·0	7·0	6·9	1·4	1·8	0·5
10 „	0·2	0·2	1·1	0·8	2·4	5·8	6·7	6·6	6·7	1·6	1·5	0·6
11 „	0·2	0·6	1·2	1·2	2·1	6·0	6·8	6·2	6·7	1·5	1·7	0·7

TABLE CXI.—*Showing, for the Year* 1859, *the Mean Extent of Clouds, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Extent of Clouds.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	3·1	− 0·1	
1 A. M.	3·2	0·0	
2 „	3·3	0·1	
3 „	3·2	0·0	
4 „	3·2	0·0	
5 „	3·3	0·1	
6 „	3·7	0·5	Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3 4, 5 A. M. } or Night.. 3·1
7 „	3·8	0·6	
8 „	3·7	0·5	
9 „	3·5	0·3	Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day.... 3·3
10 „	3·4	0·2	
11 „	3·1	− 0·1	Mean..... 3·2
Noon.	2·9	− 0·3	
1 P. M.	2·9	− 0·3	
2 „	2·9	− 0·3	
3 „	3·0	− 0·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	3·1	− 0·1	
5 „	3·2	0·0	A maximum in the morning.
6 „	3·3	0·1	A minimum in the evening.
7 „	3·2	0·0	
8 „	2·9	− 0·3	
9 „	3·0	− 0·2	
10 „	2·8	− 0·4	
11 „	2·9	− 0·3	

TABLE CXII.—*Showing, for the Year* 1859, *the Hours of Bombay Civil Time, at which the Mean Portion of Cloudy Sky, in each Month, was at its Maximum and Minimum.*

Months, 1859.	The Mean Hourly Extent of Clouds in the Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Extent of Clouds was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	0·9	0·2	0·7	1 & 10 A. M.	10 & 11 P. M.
February.....	1·1	0·1	1·0	2 & 3 „	5 & 7 „
March	2·5	0·7	1·8	8 „	2 „
April	2·7	0·6	2·1	2 „	8 „
May.....	3·9	1·0	2·9	7 „	Noon.
June.....	7·0	5·2	1·8	7 P. M.	2 A. M.
July.....	7·4	6·3	1·1	6 „	3 & 10 P. M.
August.....	7·5	6·2	1·3	6 A. M.	11 „
September	7·1	5·0	2·1	7 P. M.	2 „
October	3·9	1·3	2·6	8 A. M.	8 „
November	2·8	1·5	1·3	6 „	10 „
December	2·2	0·5	1·7	7 „	9 „

TABLE CXIII.—*Fall of Rain in inches by Newman's Rain Gauge, for each Day of Bombay Civil Time.*

Date 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
						in.	in.	in.	in.	in.		
1								0·01	0·02	0·46		
2						0·04	0·19	0·22		0·24		
3								0·01	0·05	0·01		
4								0·08	0·48	0·35		
5						2·27	0·09	0·02	0·75			
6						1·23		0·14	0·08			
7						4·55			0·14			
8						3·70	0·05	0·02	0·33			
9						0·06	0·22		0·05			
10						0·28	0·75		0·09			
11						4·23	1·94		0·31			
12						8·20			0·03			
13						1·68	1·22	0·21	0·72			
14						0·02		0 06				
15						0·04	0·19		0·01			
16							5·98	0·05				
17							3·72		0·10			
18						0·05	1·87	0·20	0 26			
19							3·76		0·42			
20							3·39					
21						0·04	0·89	0·35	0·01			
22							1·63	0·27	0·72			
23							0·74	0·88				
24							0·06	3·62				
25						0·31	0·02	2·16				
26							0·76	2·75	1·23			
27						0·02	1·04	2·36				
28						0·07	0·08	0·03	0·11			
29						0·02	0·02	1·46	0·03			
30						0·02	0·03	0·10				
31							0·06	0·04				

TABLE CXIV.—*Showing, for each Month, the fall of Rain, as measured by Newman's Gauge, and the Number of Rainy Days.*

Months, 1859.	Fall of Rain.	Number of Rainy Days.	FOR SEASONS.
	in.		
January			
February			in.
March			Mean of {Jan. Feb. March, / Oct. Nov. Dec.} or Winter.. 1·06
April			
May.....			
June.....	26·87	20	
July.....	28·70	24	Mean of {April, May, June, / July, Aug. Sept.} or Summer.. 76·55
August.....	15·04	22	
September	5.94	20	Total fall in the year.. 77·61
October	1·06	4	
November			
December.....			

TABLE CXV.—*Fall of Rain by Newman's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
						in.	in.	in.	in.	in.		
Midnight.						1·84	1·20	0·11	0·32			
1 A. M.						1·42	2·38	0·15	0·33	0·01		
2 „						1·51	2·85	0·65	0·34			
3 „						0·37	1·54	1·13	0·27			
4 „						0·56	1·34	0·73	0·42			
5 „						0·77	1·16	0·23	0·32	0·35		
6 „						1·56	2·08	0·76				
7 „						2·47	1·59	0·97	0·19			
8 „						1·82	0 97	0·49	0·57			
9 „						2·39	0·35	0·44	0·07			
10 „						0·62	0·87	0·98	0·07			
11 „						0·37	0·45	1·06	0·13			
Noon.						1·63	0·90	1·35	0·09			
1 P. M.						0·97	0·70	0·86	0·01			
2 „						0·35	0·02	0·44	0·02			
3 „						0·43	1·54	0·78	1·20			
4 „						0·23	0 05	0·74	0·13			
5 „						0·43	0·22	1·36	0·09			
6 „						0·31	0·09	0·10	0·72	0·05		
7 „						0·16	0·95	0·39	0·33	0·20		
8 „						0·54	1·50	0·37	0·09	0·03		
9 „						1·62	2·07	0·16	0·04	0·33		
10 „						2·82	2·73	0·50	0·12	0·08		
11 „						1·68	1·15	0·24	0·07	0·01		

TABLE CXVI.—*Fall of Rain in inches by Osler's Rain Gauge, for each Day of Bombay Civil Time.*

Date, 1859.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
						in.	in.	in.	in.	in.		
1								0·01	0·02	0·50		
2						0·04	0·27	0·23		0·22		
3								0·01	0·05	0·01		
4								0·06	0·55	0·37		
5						2·12	0·11	0·01	0·80			
6						1·25		0·13	0·09			
7						4·65			0·19			
8						3·75	0·07	0·01	0·35			
9						0·06	0·23		0·10			
10						0·30	0·73		0·10			
11						4·33	1·98		0·33			
12						8·14			0·03			
13						1·70	1·31	0·22	0·71			
14						0·04		0·05				
15						0·04	0·27		0·01			
16						0·07	6·83	0·03				
17							3·87		0·15			
18						0·05	1·90	0·18	0·29			
19							3·89		0·44			
20							3·40					
21						0·04	0·90	0·34				
22							1·68	0·27	0·81			
23							0·86	0·98				
24							0·14	3·44				
25						0·30	0·02	2·09				
26							0·78	2·62	0·95			
27						0·02	1·08	2·31				
28						0·09	0·10	0·03	0·13			
29						0·02	0·03	1·44	0·04			
30						0 02	0·03	0·11				
31							0·08	0·02				

TABLE CXVII.—*Showing, for each Month, the Fall of Rain as measured by Osler's Gauge, and the Number of Rainy Days.*

Months, 1859.	Fall of Rain.	Number of Rainy Day.	FOR SEASONS.
	in.	D.	
January			
February			
March			
April			Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .. in. 1·10
May			
June	27·03	20	
July	30·56	24	Mean of {April, May, June, July, Aug. Sept.} or Summer .. 78·32
August	14·59	22	
September	6·14	20	
October	1·10	4	Total Fall in the year .. 79·42
November			
December			

TABLE CXVIII.—*Fall of Rain by Osler's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1859.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.						8.89	1·26	0·10	0·32			
1 A. M.						1·91	2·45	0·16	0 35			
2 „						1·70	2·25	0·64	0·34			
3 „						0·63	2·57	1·03	0·33			
4 „						0·24	1·22	0·70	0·42			
5 „						0·71	1·78	0·32	0·40	0·37		
6 „						1·52	1·50	0·74				
7 „						2·56	1·61	0·94	0·20			
8 „						1·62	0·71	0·50	0·62			
9 „						1·26	0·31	0·45	0·10			
10 „						1·32	0·95	0·95	0·15			
11 „						0·93	0·49	0·98	0·12			
Noon.						1·83	1·08	1·23	0·11			
1 P. M.						0·84	0·82	0·85				
2 „						0·35	0·07	0·43	0·02			
3 „						0·40	1·25	0·85	0·91			
4 „						0·68	0·15	0·75	0·17			
5 „						0·32	0·28	1·31	0·08			
6 „						0·32	0·08	0·09	0·84	0·06		
7 „						0·16	0·84	0·39	0·36	0·24		
8 „						0·55	2·28	0·35	0·07	0·04		
9 „						1·60	1·91	0·14	0·04	0·31		
10 „						2·91	2·92	0·47	0·11	0·05		
11 „						1·75	1.79	0·22	0·08	0·02		

TABLE CXIX.—*Showing, for the Year* 1859, *the Fall of Rain, for each Hour of Bombay Civil Time; as measured by Newman's and Osler's Rain Gauges.*

Bombay Civil Time.	Fall of Rain by Newman's Gauge.	Fall of Rain by Osler's Gauge.	FOR DAY AND NIGHT.		
	in.	in.			
Midnight.	3·47	2·57			
1 A. M.	4·29	4·87			
2 „	5·35	4·93			
3 „	3·31	4·56			
4 „	3·05	2·58			
5 „	2·88	3·58			
6 „	4·40	3·76			
7 „	5·22	5·31			
8 „	3·85	3·45		in.	in.
9 „	3·25	2·12	Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night ..	41·80	44·08
10 „	2·54	3·37			
11 „	2·01	2·52			
Noon.	3·97	4·25			
1 P. M.	2·54	2·51	Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	35·81	35·34
2 „	0·83	0.87			
3 „	3·95	3·41			
4 „	1·15	1·75	Total fall during the year	77·61	79·42
5 „	2·10	1·99			
6 „	1·27	1·39			
7 „	2·03	1·99			
8 „	2·53	3·29			
9 „	4·22	4·00			
10 „	6·25	6·46			
11 „	3·15	3·86			

METEOROLOGICAL DISTURBANCES IN 1859.

Under this head are included all the storms, whether of wind, lightning, or thunder; extraordinary clouded state of the sky; great falls in barometer; or anything unusual in the state of the atmosphere.

Storms coming from different directions are attended with different phenomena, which are well described in the preceding volumes.

The following are the Meteorological Disturbances which occured during the year 1859:—

TABLE CXX.—*Showing the Days of Meteorological Disturbances and the Phenomena which observed in each instance.*

Month and Date.		Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
		Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Maximum Force.	
		in.						lbs.	
January	8	29.966	—	77°1	—	unusual.	regular.	light.	A few clouds in the sky.
,,	26	·877	+0·047	73·6	− 1°8	variable.	do.	1·0	A few cirri in the sky.
February	4	·924	+ ·003	78·0	+ 2·1	high.	abnormal.	light.	Ditto.
,,	15	·899	− ·019	80·8	+ 4·2	low.	usual.	1·0	Almost cloudless; a sudden rise of temperature.
March	5	·821	− ·070	75·5	− 2·9	do.	do.	light.	The sky clouded with loose masses of nimbi.
,,	17	·850	− ·022	79·1	− 0·5	unusual.	do.	2·0	Clouded with pieces of dense clouds.
,,	21	·895	+ ·035	83·0	+ 3·0	changing.	abnormal.	light.	Ditto ditto.
,,	30	·872	+ ·024	84·4	+ 2·5	unusual.	do.	1·0	Densely clouded with nimbi, moving SW; lightning in E hor.
April	2	·815	− ·008	84·3	+ 1·8	changing.	do.	5·0	Densely clouded; lightning, thunder, rain, and wind.
,,	28	·698	− ·089	87·6	+ 2·8	high.	do.	2·0	Ditto ditto.
May	25	·771	+ ·023	86·2	+ 1·4	do.	monsoonish.	1·0	Disturbed *state* of weather.
June	2	·604	− ·136	87·4	+ 2·6	do.	do.	3·0	Ditto.
,,	3	·647	− ·093	85·3	+ 0·5	saturated with vapour.	abnormal.	11·0	Clouds moving NE; lightning, thunder, rain, and wind.
,,	8	·635	− ·048	79·3	− 5·0	do.	do.	0·5	Densely clouded; lightning, thunder, and rain.
,,	11	·597	− ·086	81·0	− 3·3	do.	monsoonish.	2·0	Clouds moving NE; lightning, thunder, rain, and wind.
July	5	·751	+ ·112	84·5	+ 1·5	do.	abnormal.	0·3	Densely clouded; lightning, thunder, and rain in the morning.
,,	11	·640	+ ·012	83·4	+ 0·7	do.	circular.	0·3	Partially clouded; lightning, thunder, and rain at night.
,,	13	·630	·000	83·8	+ 1·1	do.	do.	—	Densely clouded; lighting, thunder, and rain.
,,	14	·557	− ·071	84·8	+ 2·3	do.	usual.	—	Ditto ditto.
,,	15	·560	− ·068	83·8	+ 1·3	do.	abnormal.	—	Ditto ditto.
,,	16	·507	− ·121	82·6	+ 0·1	do.	monsoonish.	11·5	Stormy weather.
,,	17	—	—	—	—	do.	do.	3·5	Ditto.
,,	18	·599	− ·039	78·8	− 3·5	do.	do.	4·0	Ditto.
August	16	·724	− ·007	81·3	+ 0·9	do.	do.	—	Densely clouded with Ni and Ni; light rain; lightning in NE on the 15th instant.
,,	29	—	—	—	—	do.	do.	4½	High winds blowing for the whole day.

TABLE CXX.—*(Continued.)*

Month and Date.		Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
		Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Maximum Force.	
		in.	in.					lbs.	
September	22	29·821	+0·025	79°3	− 0°7	high.	W or SW	0·2	Stormy weather during this period; electrical clouds around hor., through which lightning proceeded, often accompanied with thunder; the wind was abnormal from the beginning to the 20th instant.
,,	23	·770	− ·029	80·0	0·0	do.	do.	0·2	
,,	26	·832	+ ·025	80·0	0·0	do.	abnormal.	5·5	
,,	27	·772	− ·037	80·4	+ 0·4	do.	do.	0·5	
,,	28	·716	− ·096	80·8	+ 0·8	do.	usual.	0·6	
,,	29	·731	− ·084	80·9	+ 0·8	do.	do.	4·0	
,,	30	·748	− ·069	81·6	+ 1·5	do.	circular.	0·2	
October	1	·732	− ·088	81·9	+ 1·8	do.	do.	light.	Densely clouded with heavy nimbi; lightning, thunder, and smart showers of rain.
,,	3	·659	− ·116	82·0	+ 1·9	do.	do.	do.	
December	2	·835	− ·062	75·8	− 1·1	comparatively high.	regular.	do.	Densely clouded with heavy nimbi after midnight; light rain after 1h. 45m. A. M.

TABLE CXXI.—*Showing the Principal Wind Storms that occurred at Bombay, during the Year* 1859.

Day and Month.	The Storm's first appearance in Bombay on the horizon in the form of ∿.	The Storm first breaks over the Observatory.	Approximate time when it is over.	The Direction from which it comes on.	Maximum Force of Wind during its continuance.	Remarks.
Feb. 15	—	—	—	Usual.	1·0	Partially clouded with cirri and cirro-cumuli; a sudden rise of temperature in the afternoon.
April 2	Mar. 28	2 Apr. 6 P.M.	8 P. M.	N or NE	5·0	Partially clouded with denser clouds; lightning, thunder, and rain.
,, 28	April 26	28 Apr. 7 P.M.	9 ,,	W or SW	2·0	Ditto ditto.
June 2	May 27	2 June 8 P.M.	11 ,,	S	3·0	Densely clouded; lightning, thunder, and rain at 9 P. M.
,, 3	,, ,,	2 June, evening.	4 A. M.	W or SW	11·0	Densely clouded; lightning, thunder, and passing drops of rain; smart gusts of wind at midnight.
,, 8	,, ,,	7June 10 P.M.	2 ,,	E or SE	0·5	Densely clouded; smart showers of rain, lightning, and thunder.
,, 11	,, ,,	Afternoon.	10 P. M.	N	2·0	Densely clouded; lightning, thunder, and heavy rain.
July 16	July 9	5 P. M.	July 13th, 2 A. M.	E or SE	11·5	Stormy weather and heavy rain.
,, 17	,, ,,	Continuation of the storm of the preceding day.			3·5	Stormy weather, but smart showers of rain.
,, 18	,, ,,	11 P. M., July 17th.	2 A. M.	W	4·0	Ditto ditto.
Aug. 29	,, ,,	Uncertain.	Uncertein.	W	4·5	High winds were blowing during the whole day.
Sept. 26	Sept. 18	Between 2 and 3 P.M.	,,	E	5·5	Stormy weather in the afternoon, with good deal of lightning, thunder, and rain.
,, 29	,, ,,	Sunset.	,,	E	4·0	

TABLE CXXII.—*Showing the Mean Hourly, Monthly, and Annually Values of Meteorological Elements, as deduced from the Results of the last Thirteen Years* 1847-59 *(inclusive).*

Bombay Civil Time.	Standard Barometer No. 68, corrected	Temperature of External and Free Air.	Temperature of Air within the Observatory by L. H. F. Thermometer.	Temperature of Air in contact with the Surface of Ground.	Temperature of Ground six inches below its Surface.	Temperature of Wet Bulb Thermometer.	Temperature of deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight in Grains of a Cubic Foot of Common Air.	Weight in Grains of Vapour in a Cubic Foot of Common Air.	Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air.	Deduced quantity of Water Evaporated in the Air.	Azimuth of Wind.	Force of Wind.	Extent of Cloudy Sky.	Fall of Rain.	Mean Values.
	in.							in.		in.	grs.	grs.	grs.	in.	°	lbs.			
Midnight.	29·809	77°2	81°8	77°8	80°8	73°6	72°0	0·775	0·85	29·034	·505	8·4	1·5	0·006	– 52	0·12	3·4	2·93	
1 A. M.	·796	77·0	81·6	77·5	80·6	73·4	71·9	·773	·85	·023	·505	8·4	1·5	·006	– 50	·12	3·4	3·04	
2 „	·786	76·6	81·4	77·2	80·5	73·2	71·8	·771	·86	·015	·505	8·4	1·5	·005	– 47	·14	3·5	3·20	
3 „	·778	76·4	81·2	77·0	80·4	72·9	71·4	·761	·85	·017	·505	8·1	1·5	·006	– 45	·14	3·4	2·82	
4 „	·780	76·1	81·0	76·7	80·2	72·7	71·3	·758	·86	·022	·505	8·1	1·5	·005	– 41	·13	3·4	3·31	
5 „	·790	75·8	80·8	76·4	80.1	72·5	71·1	·753	·86	·037	·506	8·1	1·5	·005	– 40	·12	3·7	3·17	
6 „	·808	75·8	80·6	76·4	79·9	72·2	71·1	·753	·89	·055	·506	8·1	1·5	·005	– 38	·11	4·0	3·03	Night.
7 „	·831	77·1	80·6	76·6	79·9	73·2	71·6	·766	·84	·065	·506	8·4	1·5	·006	– 33	·10	4·0	3·32	
8 „	·851	79.5	81·2	79·9	80·1	74·2	72·0	·775	·79	·076	·501	8·4	2·4	·009	– 31	·11	3·9	3·47	
9 „	·863	81·6	82·1	81·6	80·3	75·0	72·3	·783	·74	·080	·499	8·4	3·1	·011	– 30	·12	3·8	3·63	
10 „	·861	83·2	83·2	83·0	80·7	75·5	72·3	·783	·70	·078	·498	8·4	3·5	·014	– 32	·13	3·6	3·31	
11 „	·848	84·3	84·0	84·0	81·0	75·9	72·6	·790	·69	·058	·497	8·6	3·6	·015	– 40	·14	3·5	2·95	
Noon.	·825	85·2	84·7	84·8	81·3	76·1	72·5	·787	·67	·038	·494	8·3	4·2	·016	– 52	·18	3·4	2·65	
1 P. M.	·801	85·6	85·2	85·1	81·5	76·5	72·8	·795	·66	·006	·493	8·6	4.3	·017	– 62	·25	3·5	2·70	
2 „	·779	85·5	85·4	85·1	81·8	76·7	73·1	·803	·67	28·976	·492	8·6	4·3	·016	– 65	·31	3·4	2·62	
3 „	·765	85·0	85·4	84·7	82·0	76·6	73·1	·803	·68	·962	·493	8·7	3·9	·015	– 66	·37	3·4	3·25	
4 „	·760	84·2	85·1	84·0	82·0	76·4	73·2	·806	·70	·954	·495	8·6	3·6	·014	– 67	·34	3·5	2·51	
5 „	·766	82·5	84·4	82·7	82·0	75·9	73·1	·803	·74	·963	·496	8·7	3·1	·012	– 65	·33	3·6	2·29	
6 „	·778	80·7	83·6	81·2	81·8	75·2	72·9	·797	·78	·981	·498	8·7	2·4	·010	– 63	·32	3·7	2·49	Day.
7 „	·796	79·8	83·1	80·2	81·6	74·9	72·9	·797	·80	·999	·500	8·7	2·1	·008	– 60	·32	3·4	2·70	
8 „	·813	79·3	82·8	79·7	81·4	74·7	72·6	·790	·81	·023	·502	8·7	1·8	·008	– 59	·27	3·1	2·95	
9 „	·826	78·6	82·5	79·1	81·3	74·3	72·2	·781	·82	·045	·502	8·4	2·1	·007	– 57	·19	3·1	2·60	
10 „	·828	78·0	82.2	78·5	81·1	73·9	72·0	·776	·83	·052	·504	8·4	1·8	·007	– 55	·14	3·2	3·44	
11 „	·821	77·6	82·0	78·1	80·9	73·7	71·9	·773	·84	·048	·504	8·4	1·8	·006	– 54	·12	3·2	2·85	
January	29·933	74·0	77·8	74·2	76·2	68·0	64·9	0·615	0·74	29·318	·511	6·7	2·3	6·555	– 3	0·18	1·4	0·03	
February ..	·910	75·8	79·0	76·0	77·2	69·0	65·4	·626	·71	·284	·508	6·9	2·7	7·060	– 17	·20	1·2	0·00	
March	·856	80·0	82·5	80·3	80·5	73·4	70·4	·737	·74	·119	·501	8·0	2·8	8·199	– 32	·23	1·5	0.00	Summer.
April	·792	83·2	85·2	83·5	83·3	76·6	74·0	·827	·75	28·965	·496	9·0	2·9	8·421	– 48	·26	1·9	0·08	
May	·743	85·6	87·4	86·0	85·7	79·0	76·5	·896	·75	·847	·492	9·8	2·8	9·162	– 83	·29	3·2	0·94	
June	·648	83·2	85·2	83·5	83·8	79·2	77·9	·935	·85	·713	·493	10·1	1·8	5·165	–123	·39	6·4	23·65	
July	·645	81·2	83·3	81·8	81·9	78·4	77·3	·919	·88	·726	·496	10·0	1·2	3·772	–141	·46	7·2	24·43	
August	·716	80·5	82·6	80·8	81·0	77·3	76·0	·884	·87	·832	·498	9·6	1·4	4·130	– 98	·29	7·0	9·53	
September ..	·775	80·2	82·5	80·5	80·9	76·7	75·4	·865	·86	·910	·499	9·4	1·5	4·267	– 77	·17	5·8	9·81	Winter.
October	·830	81·6	84·2	81·8	82·5	76·9	75·0	·855	·81	·975	·499	9·3	2·1	6·155	– 21	·15	3·2	2·05	
November ..	·896	79·5	82·8	79·6	80·8	72·5	69·4	·712	·72	29·184	·503	7·7	2·9	8·204	6	·12	1·7	0·65	
December ...	·936	75·8	79·5	76·1	78·9	69·0	65·4	·627	·71	·309	·508	6·8	2·8	7·800	1	·14	1·4	0·09	
Annual Mean.	29·807	80·05	82·67	80·34	80·90	74·6	72·9	0·791	0·78	29·016	·500	8·6	2·3	78·890	– 53	0·24	3·5	71·26	

SUMMARY OF THE METEOROLOGICAL RESULTS.

BAROMETER.

The normal height, though fluctuating, was generally decreasing from January to July, and it had a gradual rise from July to the close of the year. Barometer attains its highest readings when the sun enters Perogee, or when the temperature of air is actualy at its minimum; and comes to its lowest readings when the sun enters Apogee, or when the temperature of air is greatest. It is, therefore, apparent that the mean changes in Barometer are influenced by solar heat acting on the atmospheric air; this is deduced from the results of the last thirteen years.

The mean daily height of barometer never exceeds 30·06 inches, and never falls below 29·42 inches.

The difference between the mean daily heights of barometer, on two consecutive days, seldom exceeds 0·20 inches; the difference being generally less than 0·06 inches.

The daily fluctuations of barometer in simple hourly observations range between 0·05 and 0·20 inches

The daily ranges are larger in winter than in summer; there were many instances in which the range of barometer was greater than 0·10 inches.

The maximum rise generally occurs one or two hours before noon and midnight; and the minimum fall occurs at about one or two hours before sunrise and sunset. The actual height of barometer is found to be larger at its morning maximum than at its evening maximum; and the height generally lower in the evening minimum than in the morning minimum. The time of evening maximum remains pretty nearly constant.

If the mean night of barometer is to be determined from two observations taken daily, the hours best suited for this purpose will be 5 A. M. and 11 P. M., 8 A. M. and 4 P. M., or from 6 A. M. only.

The N and E winds increase the barometric readings, and the S and W winds decrease them.

TEMPERATURE.

The mean daily temperature of air increases (though irregularly) from the middle of January to the end of May, or about the beginning of June—it is depressed a little in June; but in the next four months (July to October) remains nearly equal to the mean annual temperature; after the month of October the temperature gradually decreases to the end of December. The depression of temperature in the rainy season is supposed to be the effect of dense clouds then prevalent in the sky; the clouds refract the solar rays, and do not allow the light to act freely on the atmospheric air, which extends from the earth to the clouds.

It appears from the preceding results that the effect of temperature on the direction wind is slower in winter than in dry days, the effect of maximum temperature of air is quicker than the effect of minimum temperature, the effect of one degree of temperature on the azimuth of wind is to shift the wind 6° westward.

During the year 1859 the temperature of air has fluctuated between 98° and 62°, and never exceeded these limits.

The differences between the mean daily values of any two consecutive days never exceeds 5°, and in many cases are found to be less than 2°, but greater than 1°.

The temperature of air in the Observatory, and in contact with the ground, is effected by the clouds, and the same factors given for free air will, with a slight alteration, answer for the temperature.

The daily range of temperature of free and external air has not exceeded 23°, and was generally between 15° and 10°.

The daily ranges in the temperature of ground below 20 inches of its surface are indecernible ; but a regular rise and fall of temperature is observed from one season to the other. Periodical changes in the temperature of ground varies according to the depth of ground. The periodical changes of temperature at six inches below the surface of ground is about 15°, but at the depth of 144 inches reduced to only 2°.

The maximum temperature of air occurs between noon and 3 P. M., and the minimum temperature at about sunrise in winter, but in summer the times of their occurrences are variable.

If the mean temperature of air is to be ascertained from two observations taken daily, the hours best suited for this will be 4 A. M. and 4 P. M., or 9 A. M. and 9 P. M. ; if the observation of 8 A. M. be unaffected by clouds, it will answer near enough to the true mean daily temperature.

The combination of observations of 4 A. M. and 4 P. M. will give the mean temperature of air and ground under different situations.

The temperature of external and free air is more uniform at night than in the day time.

The fall of temperature from midnight to 6 A. M. is small but regular ; after sunrise temperature rises rapidly till 11 A. M. ; from noon to 2 P. M. or 3 P. M. the rise is moderate ; between 2 and 5 P. M. is a moderate fall of temperature, but at about sunset a large fall is experienced ; after sunset a gradual fall is observed throughout the night.

WET BULB THERMOMETER.

The temperature of evaporation or wet bulb thermometer increases, though irregularly, from the month of January to July, and falls from July to December. About the month of June, the sun attains its extreme southerly declination, and the rain which falls down in torrents keeps the atmosphere saturated with humidity. In June and July the temperature of evaporation coincides with the mean annual temperature of air. The presence of clouds in the sky has the effect of increasing the temperature of evaporation.

The difference between the mean daily values of two consecutive days in many instances have remained between 1° or 2°, and it has seldom exceeded 6°. The temperature of evaporation range between 85° and 55° Fahr. The daily range of temperature of evaporation never exceeds 20°, and seldom goes below 2°. In many instances it has ranged between 3° and 8°. The daily ranges were higher in winter than in summer.

A perceptible rise of temperature after sunrise and a fall of temperature at about sunset were observed in the hourly changes of evaporation. An apparent change at noon was frequently noticed in temperature of evaporation in winter. The times of maximum and minimum temperature of evaporation were quite irregular and variable.

If the mean daily temperature of evaporation is to be ascertained from two observations taken daily, the hours supposed to be best are 5 A. M. and 2 P. M., or 9 A. M. and 9 P. M. If more than a single combination be used, the deduced mean will be more correct. The temperature of evaporation was high for S and E winds, and it was low for N and W winds. This shows that the evening breezes, which generally blow from NW or W, bring with them moisture in their passage over the water, causing hereby an abrupt change in the afternoon temperature of evaporation as heretofore noticed.

WIND.

There were about 78 days on which the direction of wind was abnormal during this year. The wind made was 43 turns round the compass. There were about 17 days out of 310 on which the force of wind was greater than 4 pounds, and about 123 days on which the force was higher than one pound. Monsoonish blows in summer, and land and sea breezes in winter. The direction of wind was S and SW in summer, and in winter the direction was northwesterly or westerly in the evening, and landward or easterly in the morning. The duration of W or NW was greater than any other winds. The greatest force is recorded under SW wind; the direction of the resultant force was in WNW point of the compass, and its mean force was about 0·5 lbs.

The temperature of different winds, calculated from the observation of the winter wind, during this year, is as follows:—

N = 82°	E = 79°	S = 82°	W = 86°
NE = 77	SE = 82	SW = 84	NW = 80

the above given temperature is the observed temperature of wind, but the actual temperature will differ greatly from these values, as the wind does not change its direction simultaneously with the change in the Temperature of air.

WEATHER.

There were about 23 entire cloudless days during this year, and about 24 days on which the mean extent of clouds was less than $\frac{1}{50}$th part of the visible sky. Cirri prevailed generally during the dry days in winter; cirro-cumuli were seen in both seasons of the year; cumuli and cumulo-strati were seen about the beginning and ending of the monsoon, or about the time of occurrence of meteorological disturbances; nimbi were seen in SW monsoon or in the rainy season, or in any storms, whether of lightning, thunder, or wind.

The total fall of rain during this year was 77·61 inches, being about 6·35 inches higher than the mean fall of the last thirteen years. The greatest fall of rain was registered in July, and none in February and March; there were about 25 days on which the fall of rain was less than 0·01 of an inch

Lightning was registered in March, April, May, June, July, August, September, and October. There were about 23 days on which lightning was seen in the sky unaccompanied with thunder; and as many days on which it was accompanied with thunder; forked lightning and loud rolling thunder were noticed during the climax of a thunder storm.

DISTURBANCES.

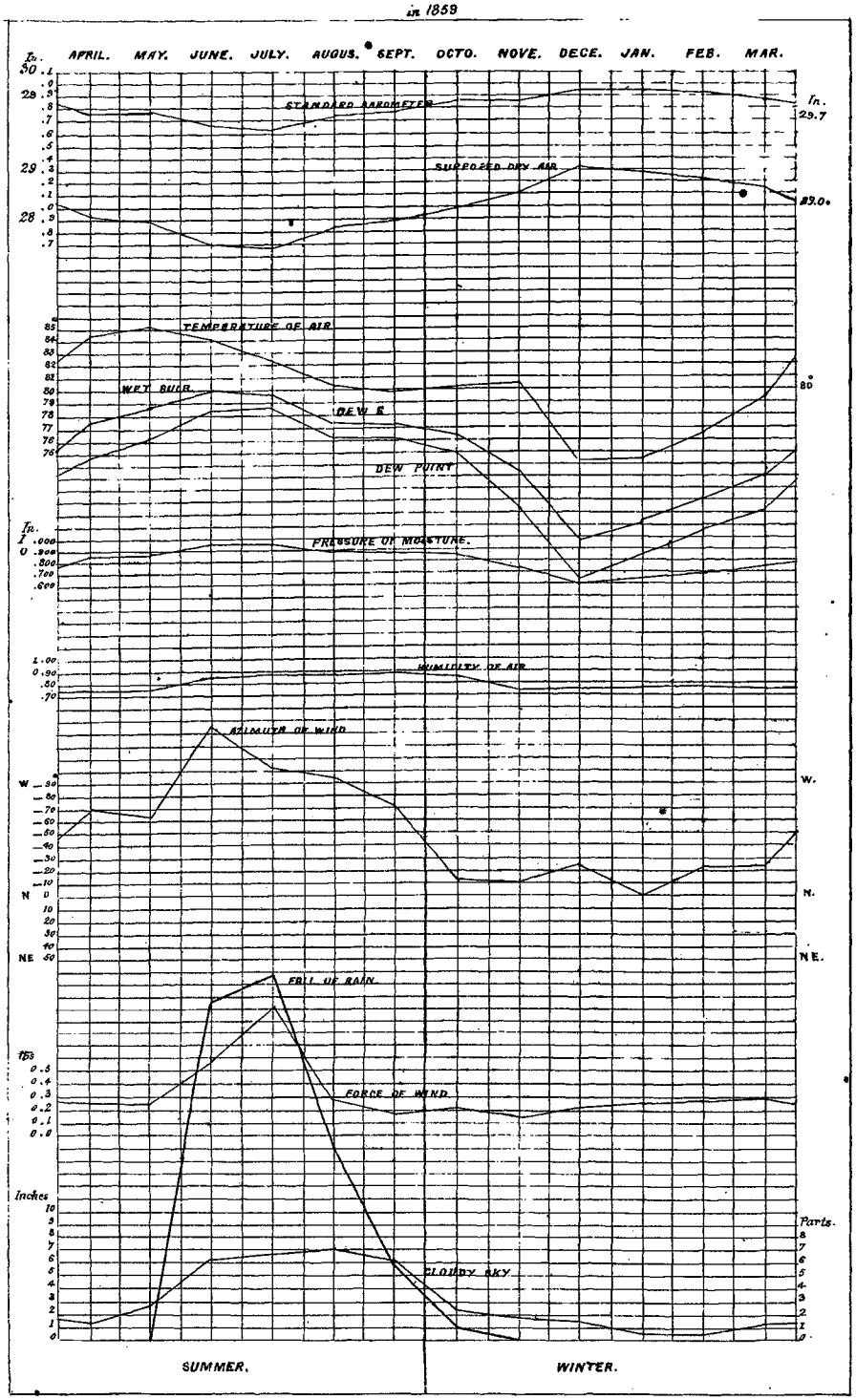
There were about 35 days on which the meteorological state of atmosphere was to a certain degree disturbed, but there were only 9 days on which the force of wind was above four pounds. Wind storms are generally followed by a low barometer, high and sultry temperature, the sky cloudy, and wind abnormal.

TABLE CXXIII.—*Showing the changes of All the Meteorological Elements during the Year* 1859, *reduced from the seperate Results of each Element in the preceding pages.*

Names of Elements.	Diurnal Ranges.			Periodical Change.			Difference between Night and Day.		
	Winter.	Summer.	Mean Range.	Mean Value in Winter.	Mean Value in Summer.	Annual Mean.	Mean for Day Time.	Mean for Night Time.	Differences.
Standard Barometer No. 58	0·119	0·090	0·104	29·894	29·729	29·812	29·818	29·806	0·012
Temperature of free air	11·9	8·1	10·0	77·6	82·8	80·2	82·4	78·0	4·4
Temperature of air within the observatory	6·4	3·7	5·0	80·3	84·7	82·5	83·2	81·8	1·4
Temperature of air in contact with the surface of ground	9·6	6·3	7·9	77·3	82·5	79·9	81·5	78·2	3·3
Temperature of ground 6 inches below its surface.....	2·3	1·5	1·9	78·1	83·0	80·6	80·6	80·5	0·1
Temperature of ground 20 inches below its surface	*	*	*	79·3	83·2	81·2	81·2	81·2	0·0
Temperature of ground 60 inches below its surface.....	*	*	*	81·8	84·0	82·9	82·9	82·9	0·0
Temperature of evaporation	6·0	3·5	4·7	71·9	78·4	75·2	75·9	74·4	1·5
Temperature of dew point	4·2	2·0	3·1	69·2	76·8	73·0	73·6	73·1	0·5
Pressure of moisture.....	0·094	0·057	0·075	0·713	0·905	0·809	0·816	0·804	0·012
Humidity of air	0·23	0·16	0·19	0·77	0·83	0·80	0·75	0·85	0·10
Pressure of supposed dry air	0·185	0·105	0·145	29·189	28·824	29·002	29·002	29·002	0·000
Weight (in grains) of a cubic foot of common air.....	16	10	13	505	496	500	497	503	6
Weight of vapour in a cubic foot of common air (in grains).....	1·0	0·6	0·8	7·7	9·7	8·7	8·9	8·7	0·2
Weight (in grains) of vapour, required for complete saturation of a cubic foot of common air	3·3	2·5	2·9	2·3	1·9	2·1	2·9	1·5	1·4
Quantity of water evaporated	0·013	0·010	0·012	38·789	34·744	73·533	0·011	0·006	0·005
Azimuth of wind	–80	–22	–51	–16	–90	–53	–50	–54	4
Force of wind	0·55	0·54	0·54	0·24	0·43	0·33	0·37	0·30	0·07
Extent of cloudy sky	1·5	1·9	1·7	1·4	5·0	3·2	3·3	3·1	0·2
Fall of rain by Newman's gauge ..	*	*	*	1·06	76·55	77·61	35·81	41·80	5·99

MONTHLY VARIATION OF METEOROLOGICAL ELEMENTS

in 1859



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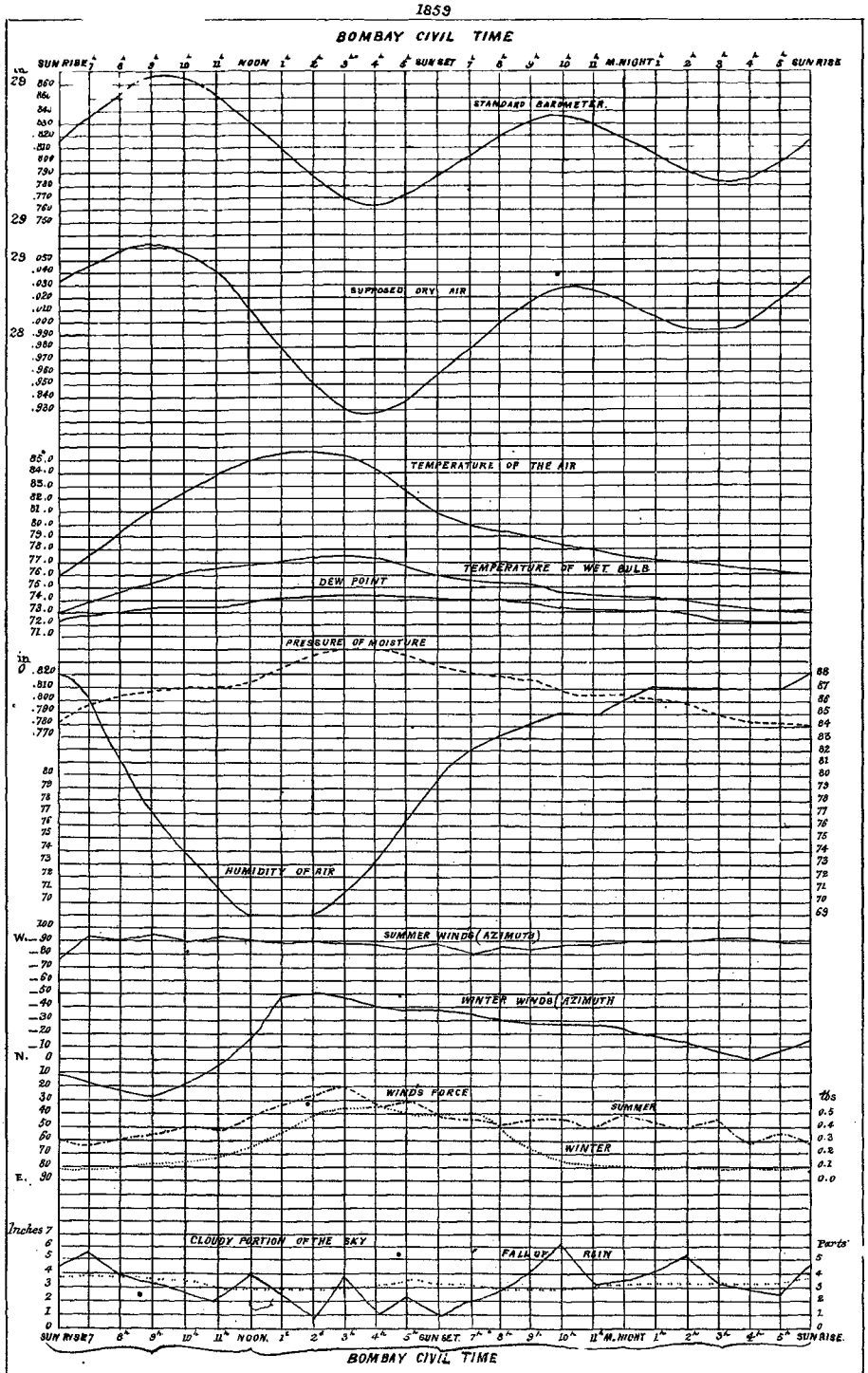
Carved by Govardhan Luxmun 1st Assist. M.D.

DIURNAL CHANGES OF THE METEOROLOGICAL ELEMENTS

1859



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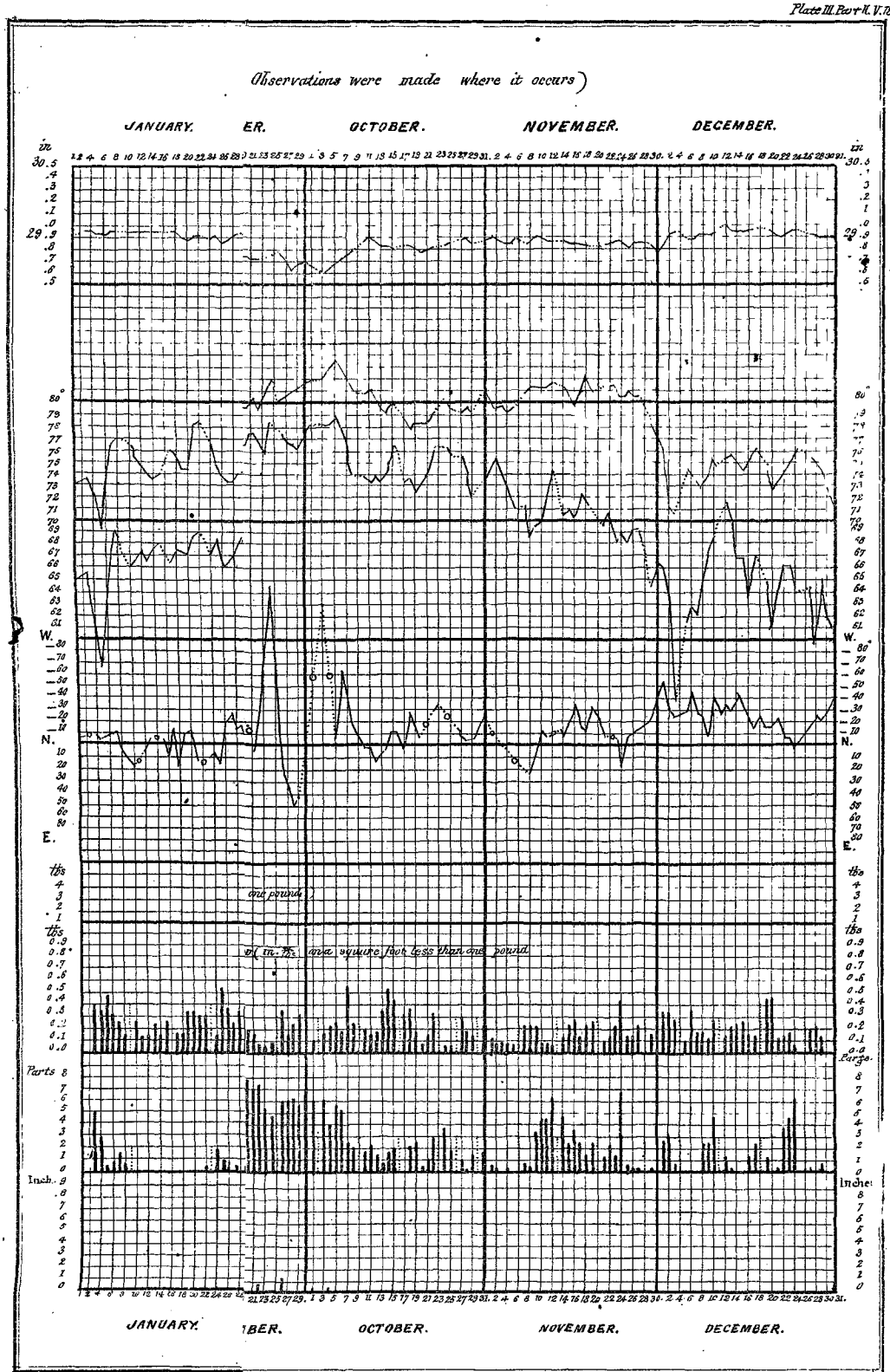

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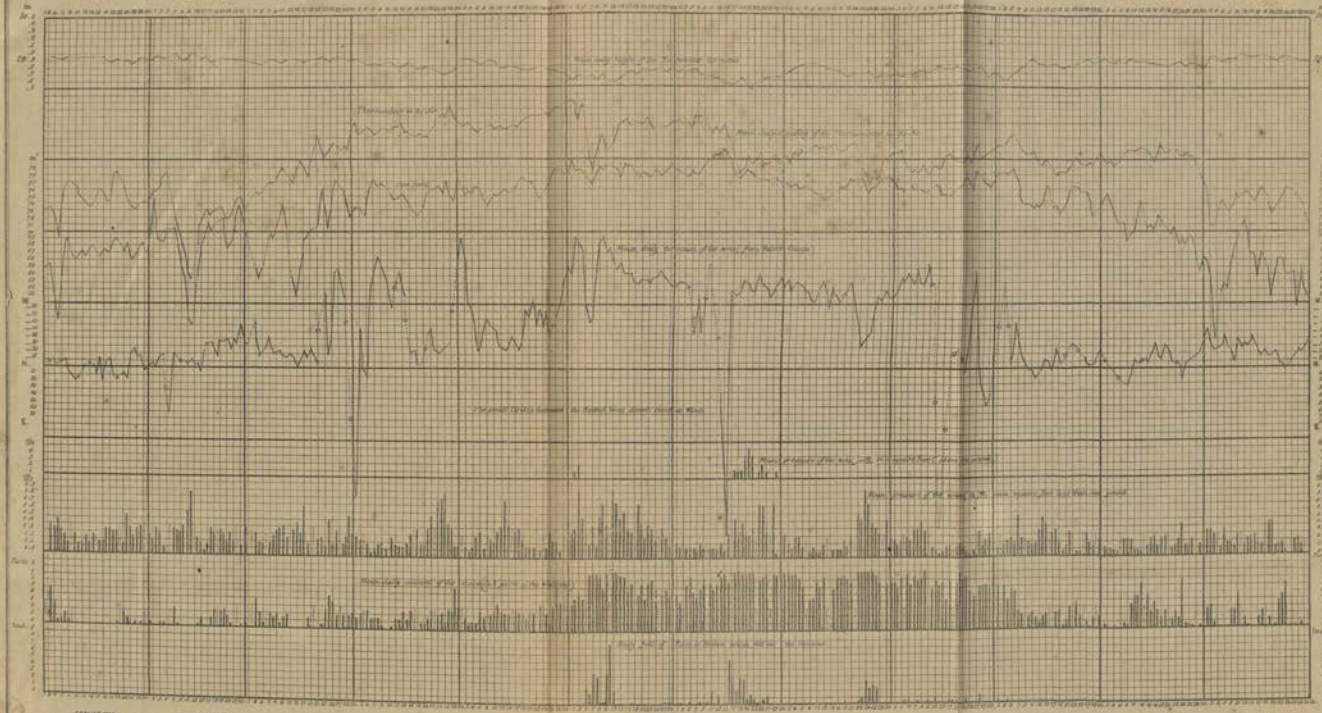
Curved by Goverdhun Luxmun O. 1st Assistent 1860

CURVES exhibiting the principal METEOROLOGICAL PHENOMENA in the YEAR 1839 as observed at the OBSERVATORY BOMBAY (A dotted line denotes that no Observations were made where it occurs)

JANUARY. FEBRUARY. MARCH. APRIL. MAY. JUNE. JULY. AUGUST. SEPTEMBER. OCTOBER. NOVEMBER. DECEMBER.



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